

Natural Gas Monthly

July 2000

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Natural Gas Publications and Databases Available Electronically

All of the natural gas publications are available electronically on the EIA website. Certain natural gas data are also provided in database formats on the web site. The table below is a guide to the major natural gas products.

Product	Format	Contents
Publications		
<i>Natural Gas Weekly Market Update</i>	PDF	Analysis of current price, supply and storage data
<i>Natural Gas Monthly</i>	PDF	Monthly supply, disposition, and price data
<i>Natural Gas Annual</i>	PDF	Annual supply, disposition, and price data
<i>Historical Natural Gas Annual</i>	PDF	Historical annual supply, disposition, and price data from 1930 - 1997
<i>Issues and Trends</i>	PDF	Comprehensive analysis of growth and change in the natural gas industry
<i>U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves</i>	PDF	Proved reserves in the United States
<i>Oil and Gas Field Code Master List</i>	PDF	Listing of U.S. oil and gas field names
<u>Databases</u>		
Monthly Data	TXT	Tables 1-6, and 9 from the <i>Natural Gas Monthly</i>
Historical Monthly Data	EXE	Consumption and price data, 1984-1994; 1995-present
Annual Data	TXT	Tables from the <i>Natural Gas Annual</i>
Historical Annual Data	TXT	Tables from the <i>Historical Natural Gas Annual</i>
Field Codes	EXE	Oil & Gas Field Code Master List
<u>Applications</u>		
EIA-176 Query System	EXE	Company filings to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"
EIAGIS	EXE	Periodic updates for users of the EIAGIS-NG Geographic Information System

PDF files are image files that can be viewed through Adobe Acrobat.

TXT files are ASCII text. They may be replications of published tables, including table titles, column and row identification, or they may be flat files with a minimum of content description suitable for input to spreadsheets or other programs.

EXE files are executables that can be downloaded then opened. Databases are distributed as self-executing Zipped archives which spawn numerous data files and documentation. Applications are distributed as self-executing Zipped archives which initially generate numerous files and then form an application which is installed on the user's PC.

Preface

The *Natural Gas Monthly (NGM)* is prepared in the Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of Joan E. Heinkel.

General questions and comments regarding the *NGM* may be referred to Ann M. Ducca (202) 586-6137. Specific technical questions may be referred to the appropriate persons listed in Appendix E.

The *NGM* highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. Geographic coverage is the 50 States and the District of Columbia.

Explanatory Notes supplement the information found in tables of the report. A description of the data collection surveys that support the *NGM* is provided in the Data Sources section. A glossary of the terms used in this report is also provided to assist readers in understanding the data presented in this publication.

All natural gas volumes are reported at a pressure base of 14.73 pounds per square inch absolute (psia) and at 60 degrees Fahrenheit. Cubic feet are converted to cubic meters by applying a factor of 0.02831685.

Common Abbreviations Used in the Natural Gas Monthly

AGA	American Gas Association	IOGCC	Interstate Oil and Gas Compact Commission
Bbl	Barrels	LNG	Liquefied Natural Gas
BLS	Bureau of Labor Statistics, U.S. Department of Labor	Mcf	Thousand Cubic Feet
Bcf	Billion Cubic Feet	MMBtu	Million British Thermal Units
BOM	Bureau of Mines, U.S. Department of the Interior	MMcf	Million Cubic Feet
Btu	British Thermal Unit	MMS	United States Minerals Management Service, U.S. Department of the Interior
DOE	U.S. Department of Energy	NGL	Natural Gas Liquids
DOI	U.S. Department of the Interior	OCS	Outer Continental Shelf
EIA	Energy Information Administration, U.S. Department of Energy	STIFS	Short-Term Integrated Forecasting System
FERC	Federal Energy Regulatory Commission	STEO	Short Term Energy Outlook
		Tcf	Trillion Cubic Feet

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Highlights

Overview

This issue of the *Natural Gas Monthly* contains estimates of natural gas data through July 2000 for many data series at the national level. Estimates of natural gas wellhead prices have been extended 2 months beyond other natural gas price series and are shown in Table 4. Thus, while wellhead prices are available through June 2000 in this issue, most other national-level prices are available through April 2000. The procedure for estimating wellhead prices is described in Note 8 of Appendix A. This issue also provides natural gas data at the State level generally through March 2000.

Highlights of the most recent data estimates contained in this issue are:

- The amount of working gas in underground storage at the end of July 2000 is estimated to be 2,065 billion cubic feet, 6 percent lower than the average of 2,207 billion cubic feet for July during 1995-1999.
- Dry natural gas production from January through July 2000 is comparable with the level during the same period of 1999.
- End-use consumption of natural gas from January through July 2000 is 2 percent higher than during the same period in 1999. The increase has been driven by a 7-percent rise in industrial consumption during the period, and much of it can be attributed to increases in consumption for nonutility electric generation.
- The average natural gas wellhead price continued to rise sharply during 2000. In June it reached \$3.58 per thousand cubic feet, 47 percent higher than the highest monthly price of 1999, which was \$2.44 per thousand cubic feet in November.

Supply

Cumulative dry natural gas production for January through July 2000, estimated at 10,902 billion cubic feet, is nearly the same as in 1999 (Table 1). As a daily rate, dry

production during 2000 has averaged 51.2 billion cubic feet per day, nearly 2 percent lower than in 1997 and 1998 for the same January-through-July period (Figure HI1). Daily production rates during the early months of 2000 were lower compared with those of early 1999, but from April through July, daily production each month has been 1 percent higher than during 1999. The greatest difference between the years so far occurred in February when the daily production rate was 4 percent lower than in February 1999.

The daily rate of cumulative net imports of natural gas for January through July 2000 is 2 percent higher than during 1999 for the same period. Cumulative net imports are estimated to be 1,969 billion cubic feet or an average of 9.2 billion cubic feet per day (Table 2).

The amount of working gas in underground storage at the end of July 2000 is estimated to be 2,065 billion cubic feet (Table 10). While this is 14 percent lower than the unusually high volume seen at the end of July 1999, it is only 6 percent lower than the average of 2,207 billion cubic feet for July during 1995-1999 (Figure HI2). Net injections during July 2000 are estimated to be 328 billion cubic feet, 46 percent higher than during July 1999 and 9 percent higher than the 5-year average (1995-1999). Overall, net injections were 17 percent below the 5-year average rate for the first 4 months of the refill season.

End-Use Consumption

End-use consumption of natural gas through the first 7 months of 2000 is estimated to be 12,154 billion cubic feet or 57.1 billion cubic feet per day, about 2 percent above the daily rate for the same period of 1999 (Table 3). Consumption increased substantially in the industrial sector, by 7 percent, while it dropped by 2 percent in the residential sector and increased by almost 1 percent in the commercial sector (Figure HI3).

The residential and commercial sectors are highly responsive to weather-related space-heating requirements. Cumulative residential consumption for

Figure HI1. Average Daily Rate of Natural Gas Production and Consumption, January-July, 1998-2000

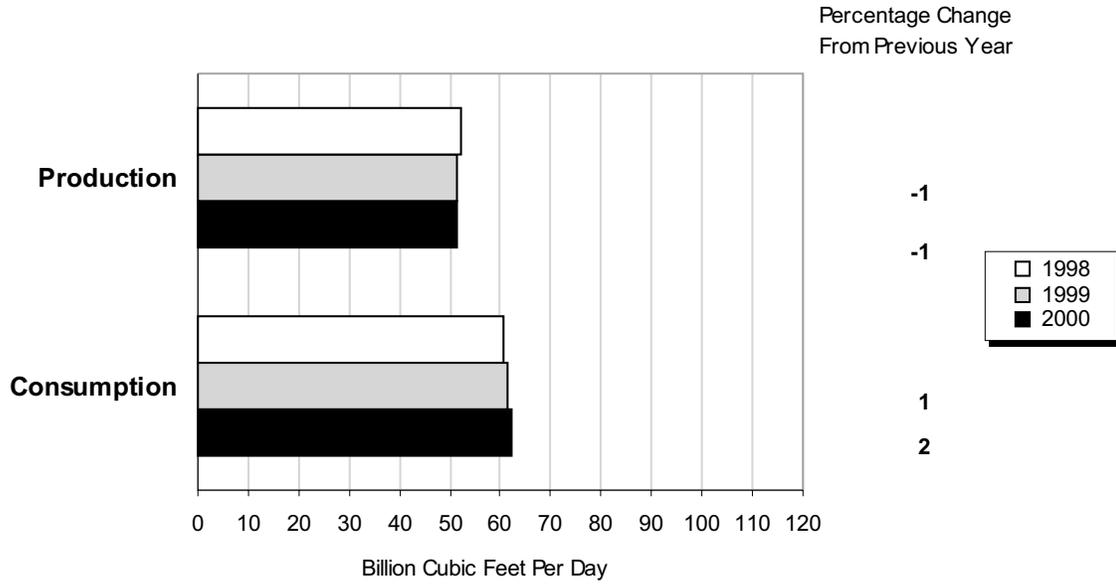
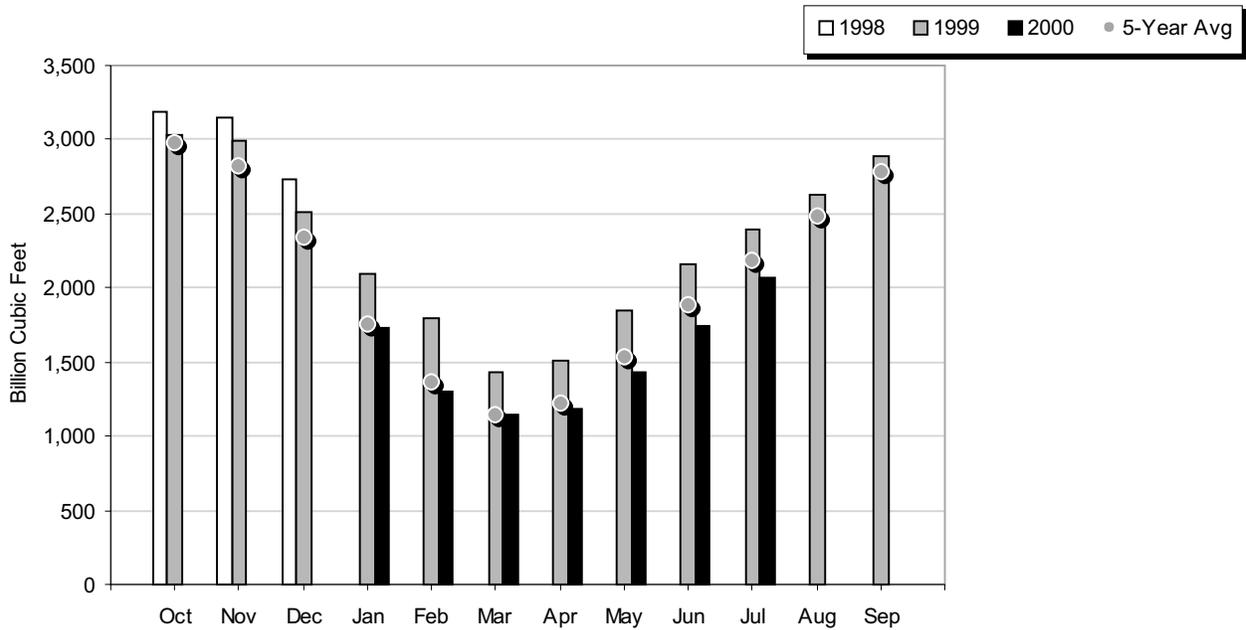
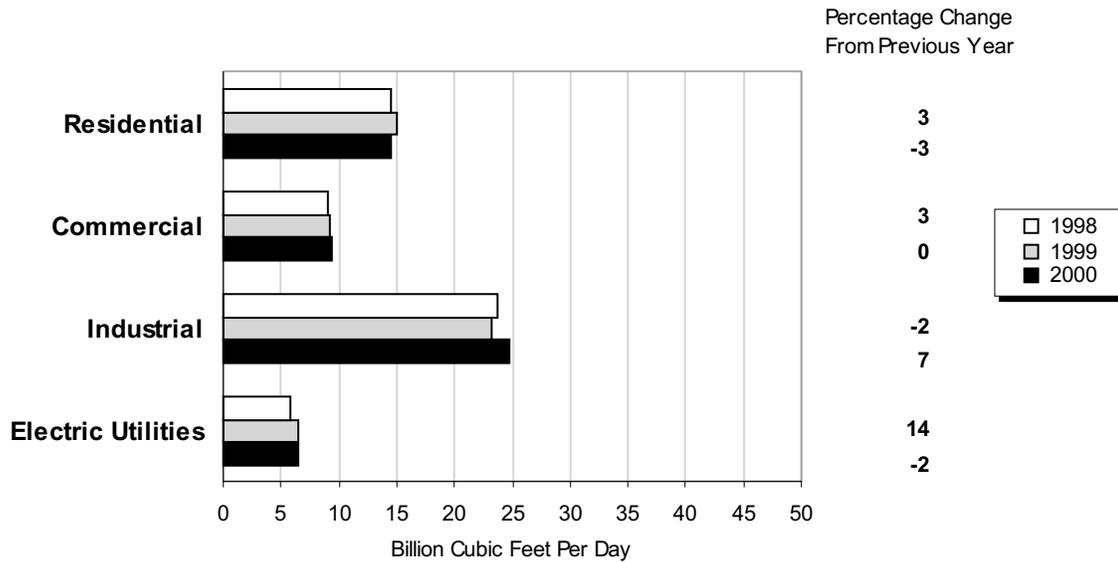


Figure HI2. Working Gas in Underground Storage in the United States, 1998-2000



Note: The 5-year average is calculated using the latest available monthly data. For example, the December average is calculated from December storage levels for 1995 to 1999 while the January average is

Figure HI3. Average Daily Rate of Natural Gas Deliveries to Consumers, January-July, 1998-2000



Note: Electric utilities reflect deliveries for January-April.
Source: Table 3.

January through July 2000 is estimated to be 3,098 billion cubic feet or 14.5 billion cubic feet per day, 3 percent lower than the daily rate for the same period in 1999. Much of the decline can be attributed to generally warmer-than-normal temperatures during the first 3 months of 2000, which resulted in lower gas demand for residential space heating. Consumption rose slightly, by less than 1 percent, in the commercial sector. Cumulative commercial consumption from January through July is estimated to be 9.3 billion cubic feet per day, virtually the same as the daily rate during the first 7 months of 1999.

The average daily rate of industrial consumption of natural gas was 24.8 billion cubic feet for January through July 2000 compared with 23.2 billion cubic feet per day during the first 7 months of 1999, an increase of 7 percent. Beginning in February 2000, gas consumption in this sector rose in each month compared with the same month of 1999. Much of the increase in industrial consumption reflects increases in gas used by nonutility generators to generate electricity. As the restructuring of the electric utility industry proceeds, many previously regulated generating plants have been sold to entities that are not regulated utilities. These facilities are classified as nonutility generators, and the gas that they consume is reported as industrial, rather than electric utility consumption.

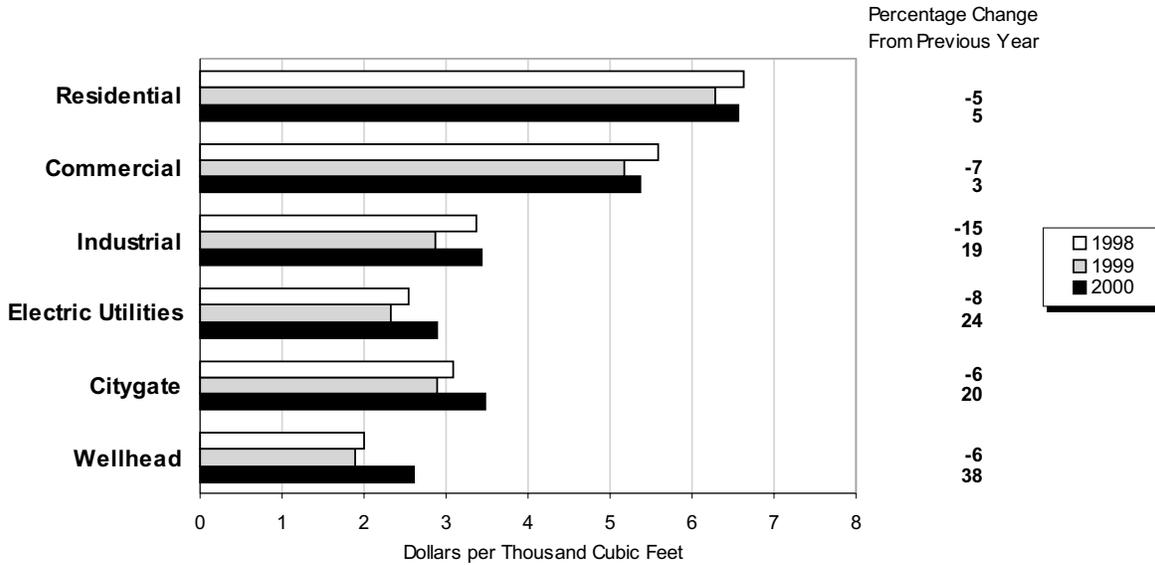
Data for the electric utility sector are available only through April 2000. Cumulative consumption in this sector was 6.4 billion cubic feet per day, 2 percent below the daily rate of 6.5 billion cubic feet during the same period of 1999. As previously noted, decreases in the consumption of natural gas by electric utilities may reflect the transfer of some generating facilities from the electric utility sector to the industrial sector.

Prices

The Energy Information Administration is providing more recent estimates of wellhead prices. These estimates, which first appeared in the June *Natural Gas Monthly*, are \$2.76 per thousand cubic feet for May 2000 and \$3.58 per thousand cubic feet for June 2000 (Table 4). Cumulatively for the first half of 2000, the estimated natural gas wellhead price is \$2.33 per thousand cubic feet, \$0.54 (30 percent) higher than in the first half of 1999 (Figure HI4).

Average prices paid by residential and commercial users of natural gas through April 2000 are also higher than during the same period in 1999. On average, residential users paid an estimated \$6.57 per thousand cubic feet for natural gas during January through April 2000, \$0.46 (8 percent) higher than in 1999, and com-

Figure HI4. Average Delivered and Wellhead Natural Gas Prices, January-April, 1998-2000



Note: Commercial and industrial average prices reflect onsystem sales only. The reporting of wellhead prices is 2 months ahead of the reporting of city gate, residential, commercial, and industrial prices. The reporting of electric utility prices is 1 month behind the reporting of city gate, residential, commercial, and industrial prices.

Source: Table 4.

mercial¹ users paid an estimated \$5.36 per thousand cubic feet, \$0.18 (3 percent) higher than in 1999.

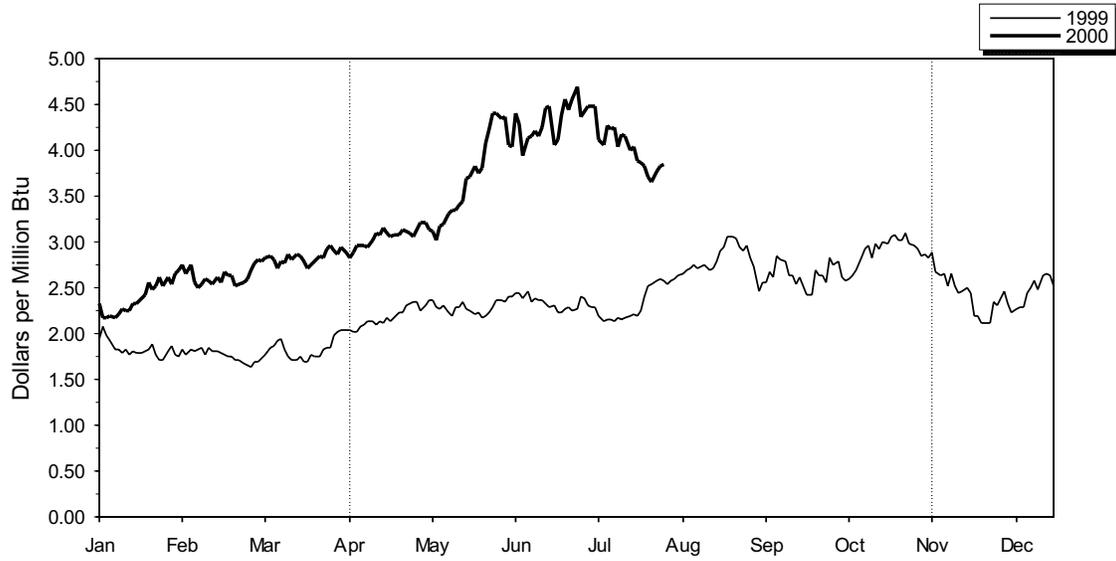
Prices in the industrial and electric utility sectors react more quickly to changes in the wellhead price because the commodity cost is a larger share of the delivered price in these two sectors compared with the residential and commercial sectors. Industrial and electric utility prices showed large increases compared with early 1999. Industrial users paid an estimated \$3.43 per thousand cubic feet for natural gas on average during January through April 2000, \$0.49 (17 percent) higher than in the same period of 1999. In the electric utility sector, where price estimates are available only through March 2000, the cumulative average price paid for natural gas during the first quarter of 2000 was \$2.89 per thousand

cubic feet, \$0.65 (29 percent) higher than during the first quarter of 2000.

Natural gas prices at the Henry Hub, both on the spot market and on the New York Mercantile Exchange (NYMEX) futures market, have risen steadily since February, reaching a peak thus far in late June of more than \$4.60 per million Btu. Prices softened in early July as the Midwest and the Northeast experienced cooler-than-normal temperatures most days during the first 3 weeks of the month. This downward trend in prices resulted in a closing price of \$3.820 per million Btu on July 27 for the NYMEX August futures contract (Figure HI5). This level was \$0.549 below the closing price of the July contract but \$1.219 above that of the August 1999 contract. Also during the last week of July, the average daily spot price at the Henry Hub was below \$3.90 per million Btu each day.

1 End-use prices in the residential, commercial, and industrial sectors are for onsystem gas sales only. While monthly onsystem sales are nearly 100 percent of residential deliveries, in 2000 they have averaged 68 percent of commercial deliveries and only 18 percent of industrial deliveries (Table 4).

Figure HI5. Daily Futures Settlement Prices at the Henry Hub



Note: The futures price is for the near-month contract, that is, for the next contract to terminate trading. Contracts are traded on the New York Mercantile Exchange. April 1 is the beginning of the natural gas storage refill season. November 1 is the beginning of the heating season.

Source: Commodity Futures Trading Commission, Division of Economic Analysis.

Table 1. Summary of Natural Gas Production in the United States, 1994-2000
(Billion Cubic Feet)

Year and Month	Gross Withdrawals	Repressuring	Nonhydrocarbon Gases Removed ^a	Vented and Flared	Marketed Production (Wet)	Extraction Loss ^b	Dry Gas Production ^c
1994 Total	23,581	3,231	412	228	19,710	889	18,821
1995 Total	23,744	3,565	388	284	19,506	908	18,599
1996 Total	24,114	3,511	518	272	19,812	958	18,854
1997 Total	24,213	3,492	599	256	19,866	964	18,902
1998							
January	2,093	307	48	19	1,719	82	1,637
February	1,877	291	49	17	1,520	73	1,448
March	2,081	310	51	20	1,700	81	1,619
April	1,994	284	50	20	1,640	78	1,562
May	2,035	266	47	16	1,705	81	1,624
June	1,975	271	49	21	1,634	78	1,556
July	2,002	265	51	20	1,666	80	1,586
August	2,024	273	53	20	1,678	80	1,598
September	1,874	276	51	20	1,527	73	1,454
October	2,026	297	58	21	1,650	79	1,571
November	1,954	292	52	20	1,591	76	1,515
December	1,988	302	51	20	1,615	77	1,538
Total	23,924	3,433	611	234	19,646	938	18,708
1999							
January	^E 2,091	^E 317	^E 58	^E 20	^E 1,696	^E 82	^E 1,613
February	^E 1,882	^E 274	^E 54	^E 18	^E 1,536	^E 75	^E 1,462
March	^E 2,080	^E 307	^E 59	^E 21	^E 1,693	^E 82	^E 1,611
April	^E 1,960	^E 289	^E 42	^E 21	^E 1,608	^E 78	^E 1,530
May	^E 1,998	^E 264	^E 44	^E 21	^E 1,669	^E 81	^E 1,588
June	^E 1,963	^E 279	^E 43	^E 21	^E 1,620	^E 79	^E 1,542
July	^E 1,997	^E 283	^E 44	^E 21	^E 1,649	^E 80	^E 1,569
August	^E 1,975	^E 282	^E 42	^E 20	^E 1,632	^E 79	^E 1,553
September	^E 1,925	^E 262	^E 43	^E 22	^E 1,598	^E 78	^E 1,521
October	^E 2,038	^E 325	^E 45	^E 23	^E 1,644	^E 80	^E 1,565
November	^E 1,978	^E 305	^E 43	^E 22	^E 1,608	^E 78	^E 1,530
December	^E 2,067	^E 341	^E 45	^E 23	^E 1,658	^E 80	^E 1,578
Total	^E23,953	^E3,528	^E561	^E253	^E19,611	^E951	^E18,660
2000							
January	^{RE} 2,034	^{RE} 335	^{RE} 41	^{RE} 20	^{RE} 1,637	^{RE} 78	^{RE} 1,559
February	^{RE} 1,904	^{RE} 317	^{RE} 39	^E 19	^{RE} 1,530	^{RE} 73	^{RE} 1,457
March	^{RE} 2,075	^{RE} 337	^{RE} 43	^E 21	^{RE} 1,674	^{RE} 80	^{RE} 1,594
April	^{RE} 2,025	^{RE} 333	^{RE} 41	^E 20	^E 1,630	^E 78	^E 1,552
May	^E 2,090	^E 344	^E 43	^E 21	^E 1,683	^E 80	^E 1,603
June(STIFS)	NA	NA	NA	NA	^E 1,634	^E 78	^E 1,556
July(STIFS)	NA	NA	NA	NA	^E 1,661	^E 79	^E 1,582
2000 YTD	NA	NA	NA	NA	^E11,449	^E546	^E10,902
1999 YTD	^E13,971	^E2,013	^E343	^E144	^E11,471	^E556	^E10,915
1998 YTD	14,058	1,994	346	133	11,585	553	11,032

^a See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

^b Extraction loss is only collected on an annual basis. Annually it is between 4 and 5 percent of marketed production. Monthly extraction loss is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

^c Equal to marketed production (wet) minus extraction loss.

^E Estimated Data.

^{RE} Revised Estimated Data.

NA Not Available.

Notes: Data for 1994 through 1998 are final. All other data are preliminary

unless otherwise indicated and contain estimates for selected States (see Table 7). Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1994-1998: Energy Information Administration (EIA), *Natural Gas Annual 1998*. January 1999 through current month: Form EIA-895, "Monthly Quantity of Natural Gas Report," STIFS, and EIA estimates. See Appendix A, Explanatory Notes 1, 3, and 6, for discussion of computation and estimation procedures and revision policies.

Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1994-2000
(Billion Cubic Feet)

Year and Month	Dry Gas Production	Supplemental Gaseous Fuels ^a	Net Imports	Net Storage Withdrawals ^b	Balancing Item ^c	Consumption ^d
1994 Total	18,821	111	2,462	-286	-400	20,708
1995 Total	18,599	110	2,687	415	-230	21,581
1996 Total	18,854	109	2,784	2	217	21,967
1997 Total	18,902	103	2,837	24	92	21,959
1998						
January	1,637	11	270	486	-2	2,401
February	1,448	9	240	301	114	2,111
March	1,619	10	244	255	-4	2,123
April	1,562	8	240	-206	102	1,705
May	1,624	7	242	-402	29	1,500
June	1,556	6	230	-336	6	1,462
July	1,586	8	255	-326	49	1,572
August	1,598	8	264	-286	-1	1,583
September	1,454	7	250	-231	-10	1,471
October	1,571	8	253	-269	-81	1,482
November	1,515	10	246	32	-85	1,717
December	1,538	11	259	452	-131	2,129
Total	18,708	102	2,993	-530	-11	21,262
1999						
January	^E 1,613	^E 10	295	623	^R -14	^R 2,529
February	^E 1,462	^E 8	262	333	41	2,107
March	^E 1,611	^E 8	276	297	^R -60	2,133
April	^E 1,530	^E 8	267	-91	^R 48	^R 1,763
May	^E 1,588	^E 8	272	-337	^R -16	^R 1,516
June	^E 1,542	^E 6	264	-306	^R -82	1,426
July	^E 1,569	^E 7	276	-225	^R -121	^R 1,507
August	^E 1,553	^E 8	^E 298	-238	^R -83	^R 1,537
September	^E 1,521	^E 7	^E 292	-310	^R -65	^R 1,445
October	^E 1,565	^E 8	296	-148	^R -163	^R 1,557
November	^E 1,530	^E 8	290	30	^R -154	^R 1,706
December	^E 1,578	^E 9	^E 293	514	^R -262	^R 2,134
Total	^E18,660	^E95	^E3,381	141	^R-932	^R21,361
2000						
January	^{RE} 1,559	^E 10	^R 307	780	^R -152	^R 2,504
February	^{RE} 1,457	^E 9	279	454	^R 122	^R 2,321
March	^{RE} 1,594	^E 8	287	162	^R -1	^R 2,050
April	^E 1,552	^E 7	^{RE} 267	-36	^R -16	1,775
May	^E 1,603	^E 7	^E 259	-232	^E -51	^E 1,585
June(STIFS)	^E 1,556	^E 8	^E 276	^E -311	^E -32	^E 1,497
July(STIFS)	^E 1,582	^E 8	^E 294	^E -328	^E -39	^E 1,518
2000 YTD	^E10,902	^E57	^E1,969	^E489	^E-168	^E13,249
1999 YTD	^E10,915	^E56	1,912	293	-204	12,981
1998 YTD	11,032	58	1,721	-228	293	12,875

^a Supplemental gaseous fuels data are only collected on an annual basis except for the Dakota Gasification Inc. coal gasification facility which provides data each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Inc.) to the sum of dry gas production, net imports, and net withdrawals from storage is calculated. This ratio, which varies between .0022 and .0037, is applied to the monthly sum of these three elements. The Dakota Gasification Inc. monthly value is added to the result to produce the monthly supplemental fuels estimate.

^b Monthly and annual data for 1994 through 1998 include underground storage and liquefied natural gas storage. Data for January 1999 forward include underground storage only. See Appendix A, Explanatory Note 7 for discussion of computation procedures.

^c Represents quantities lost and imbalances in data due to differences among data sources. See Appendix A, Explanatory Note 9, for full discussion.

^d Consists of pipeline fuel use, lease and plant fuel use, vehicle fuel, and

deliveries to consuming sectors as shown in Table 3.

^R Revised Data.

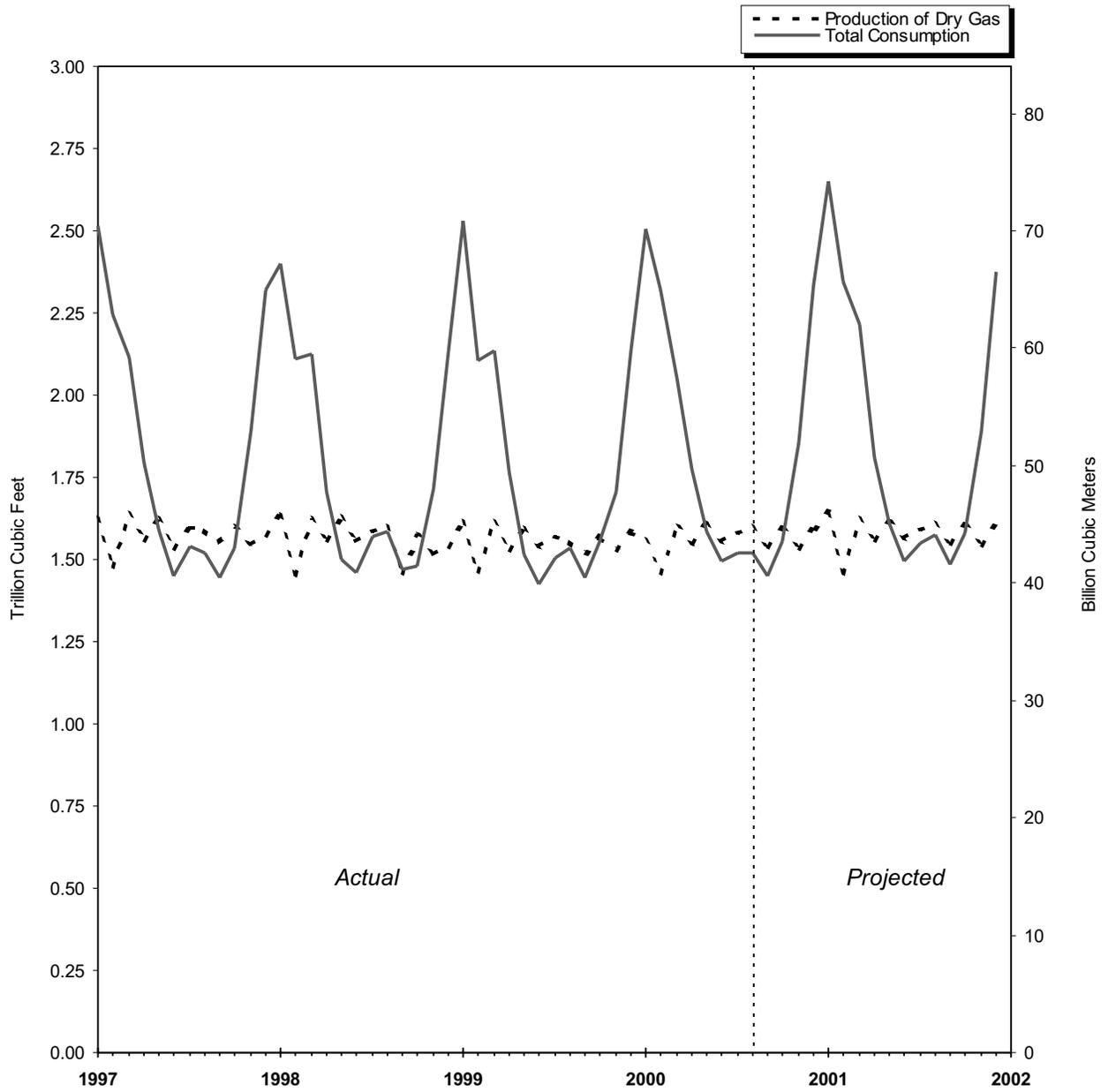
^E Estimated Data.

^{RE} Revised Estimated Data.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1994-1998: Energy Information Administration (EIA), *Natural Gas Annual 1998*. January 1999 through current month: EIA, Form EIA-895, Form EIA-857, Form EIA-191, EIA computations, and estimates, Short-Term Integrated Forecasting System (STIFS) computations, and Office of Fossil Energy, Natural Gas Imports and Exports. See Appendix A for discussion of computation and estimation procedures and revision policies.

Figure 1. Production and Consumption of Natural Gas in the United States, 1997-2001



Sources: 1997 through the current month: Table 2. Projected data: Energy Information Administration, *Short-Term Energy Outlook*.

Table 3. Natural Gas Consumption in the United States, 1994-2000

(Billion Cubic Feet)

Year and Month	Lease and Plant Fuel ^a	Pipeline Fuel ^b	Delivered to Consumers					Total Consumption
			Residential	Commercial ^c	Industrial	Electric Utilities	Total	
1994 Total	1,124	685	4,848	2,897	8,167	2,987	18,899	20,708
1995 Total	1,220	700	4,850	3,034	8,580	3,197	19,660	21,581
1996 Total	1,250	711	5,241	3,161	8,870	2,732	20,006	21,967
1997 Total	1,203	751	4,984	3,219	8,832	2,968	20,004	21,959
1998								
January	101	73	812	451	793	171	2,227	2,401
February	90	64	692	393	739	134	1,957	2,111
March	101	64	648	367	750	194	1,959	2,123
April	97	51	408	256	704	190	1,558	1,705
May	99	44	221	170	676	290	1,357	1,500
June	96	43	153	138	654	379	1,323	1,462
July	97	47	132	142	704	449	1,428	1,572
August	98	47	117	144	719	457	1,438	1,583
September	90	44	121	140	695	381	1,337	1,471
October	98	44	203	173	718	246	1,340	1,482
November	94	51	398	264	732	178	1,572	1,717
December	96	64	616	362	803	189	1,969	2,129
Total	1,157	635	4,520	3,005	8,686	3,258	19,469	21,262
1999								
January	^E 106	^R 76	899	^R 481	790	176	^R 2,347	^R 2,529
February	^E 96	63	679	393	725	149	1,947	2,107
March	^E 106	64	658	378	723	204	^R 1,964	2,133
April	^E 101	53	416	^R 260	^R 679	254	^R 1,610	^R 1,763
May	^E 105	45	233	180	^R 683	270	1,367	^R 1,516
June	^E 101	43	154	^R 142	664	322	1,282	1,426
July	^E 103	45	127	^R 136	^R 661	434	^R 1,359	^R 1,507
August	^E 102	46	117	140	^R 700	432	^R 1,389	^R 1,537
September	^E 100	43	137	^R 143	^R 740	283	^R 1,302	^R 1,445
October	^E 103	47	233	188	^R 747	240	^R 1,408	^R 1,557
November	^E 101	51	371	255	^R 757	172	^R 1,555	^R 1,706
December	^E 104	^R 64	^R 666	^R 361	^R 763	176	^R 1,966	^R 2,134
Total	^E 1,228	^R 638	^R 4,691	^R 3,056	^R 8,634	3,113	^R 19,495	^R 21,361
2000								
January	^{RE} 102	^R 75	^R 886	^R 461	^R 789	190	^R 2,327	^R 2,504
February	^E 96	^R 69	^R 766	^R 423	^R 800	166	^R 2,156	^R 2,321
March	^{RE} 105	61	^R 546	^R 360	^R 770	207	^R 1,884	^R 2,050
April	^E 102	53	392	257	757	214	1,620	1,775
May(STIFS)	^E 105	^E 44	^E 241	^E 188	^E 718	NA	^E 1,436	^E 1,585
June(STIFS)	^E 100	^E 37	^E 142	^E 153	^E 728	NA	^E 1,360	^E 1,497
July(STIFS)	^E 103	^E 43	^E 125	^E 142	^E 724	NA	^E 1,372	^E 1,518
2000 YTD^d	714	382	3,098	1,984	5,287	778	12,154	13,249
1999 YTD^d	718	388	3,167	1,970	4,927	784	11,875	12,981
1998 YTD^d	681	386	3,065	1,916	5,020	689	11,808	12,875

^a Plant fuel data are only collected on an annual basis and monthly lease fuel data are only collected annually. Lease and plant fuel estimates have been between 6 and 7 percent of marketed production annually. Monthly lease and plant fuel use is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

^b Pipeline fuel use is only collected on an annual basis. Annually it is between 3 and 4 percent of total consumption. Monthly pipeline fuel data are estimated from monthly total consumption(excluding pipeline fuel) by assuming that the preceding annual percentage remains constant for the next twelve months.

^c Deliveries to Commercial consumers for 1994-1998 include vehicle fuel deliveries, which totaled, in billion cubic feet, 1.7 in 1994, 2.7 in 1995, 2.9 in 1996, 4.4 in 1997, and 5.1 in 1998.

^d Year-to-date volume represents months for which volume information is available in the current year.

^R Revised Data.

^E Estimated Data.

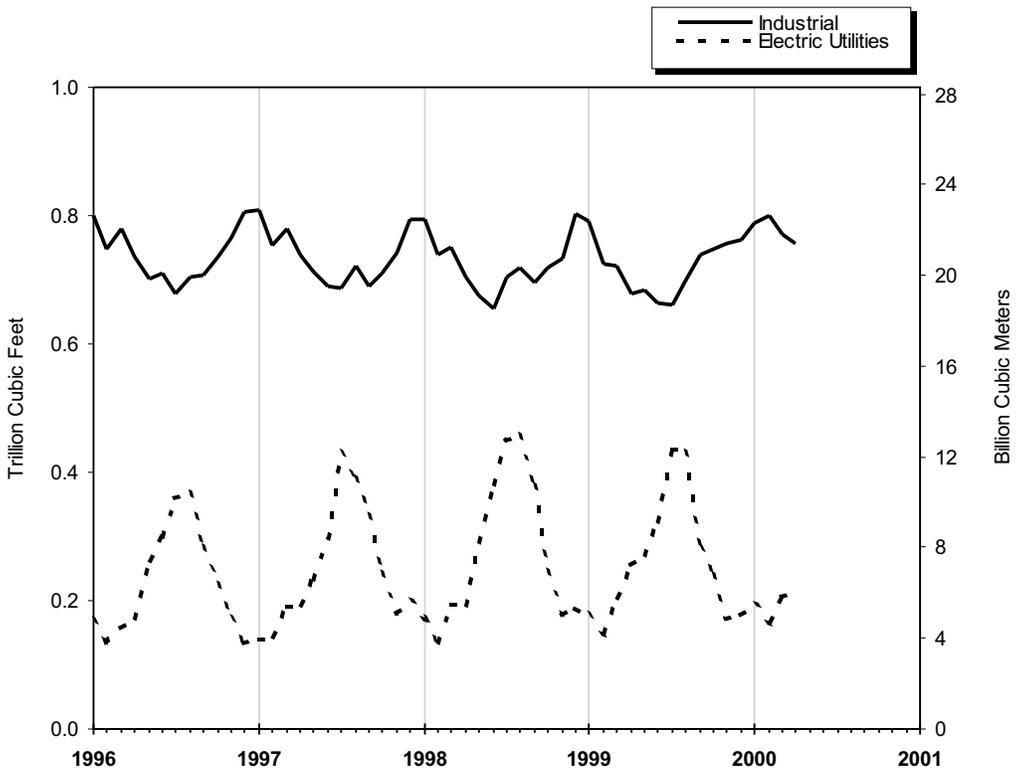
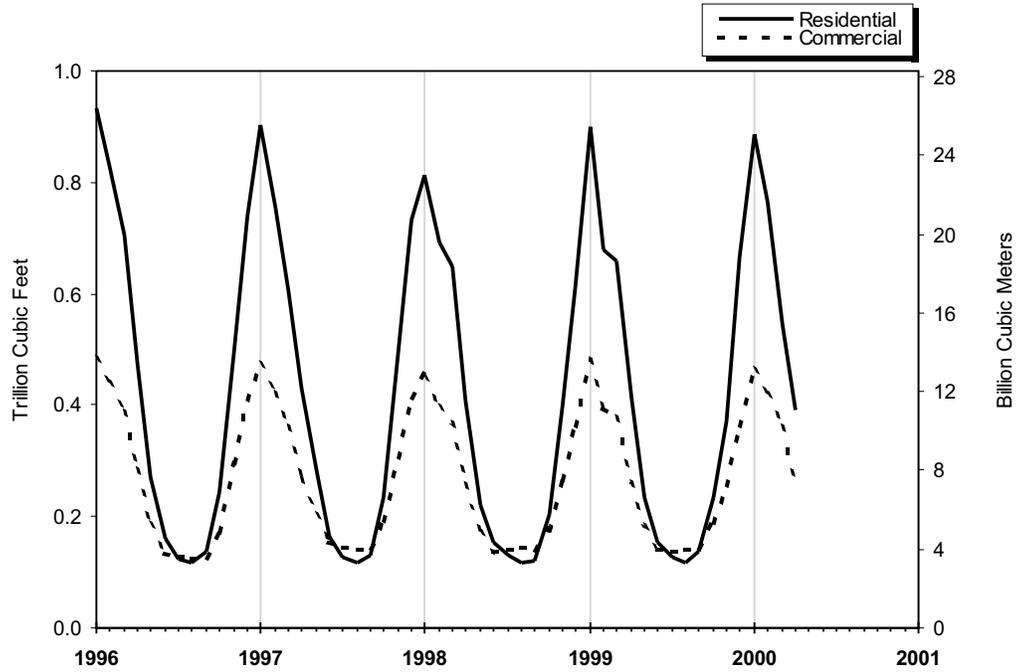
^{RE} Revised Estimated Data.

^{NA} Not Available.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent three months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding. In 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Sources: 1994-1998: Energy Information Administration (EIA): Form EIA-627, "Annual Quantity and Value of Natural Gas Report," (thru 1994), Form EIA-895 "Monthly Quantity of Natural Gas Report," (1995 forward), Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759, "Monthly Power Plant Report," EIA computations, and *Natural Gas Annual 1998*. January 1999 through the current month: EIA: Form EIA-895, Form EIA-857, Form EIA-759, and STIFS computations. See Appendix A, Explanatory Note 5, for computation procedures and revision policy.

Figure 2. Natural Gas Deliveries to Consumers in the United States, 1996-2000



Source: Table 3.

Table 4. Selected National Average Natural Gas Prices, 1994-2000
(Dollars per Thousand Cubic Feet)

Year and Month	Wellhead Price ^a	City Gate Price	Delivered to Consumers					
			Residential Price	Commercial		Industrial		Electric Utilities Price
				Price	% of Total ^b	Price	% of Total ^b	
1994 Annual Average	1.85	3.07	6.41	5.44	79.3	3.05	25.5	2.28
1995 Annual Average	1.55	2.78	6.06	5.05	76.7	2.71	24.5	2.02
1996 Annual Average	2.17	3.34	6.34	5.40	77.6	3.42	19.4	2.69
1997 Annual Average	2.32	3.66	6.94	5.80	70.8	3.59	18.1	2.78
1998								
January	1.95	3.08	6.41	5.65	73.2	3.67	16.8	2.64
February	1.95	3.08	6.41	5.59	72.9	3.58	16.7	2.51
March	2.05	3.06	6.29	5.40	73.6	3.40	17.3	2.53
April	2.15	3.23	6.81	5.64	67.7	3.28	15.8	2.59
May	2.04	3.12	7.70	5.73	62.6	3.14	14.9	2.47
June	1.90	2.98	8.51	5.51	62.9	2.97	15.1	2.40
July	2.08	3.31	8.53	5.64	56.0	3.04	13.1	2.50
August	1.81	3.01	9.25	5.46	53.3	2.75	13.8	2.21
September	1.69	2.78	8.96	5.49	57.0	2.65	14.2	2.15
October	1.85	2.99	7.60	5.31	59.2	2.75	14.8	2.22
November	1.93	2.99	6.58	5.22	64.5	2.95	15.7	2.37
December	1.94	3.10	6.34	5.23	68.3	2.92	17.2	2.22
Annual Average	1.94	3.07	6.82	5.48	67.0	3.14	16.1	2.40
1999								
January	^E 1.80	2.84	5.99	^R 5.06	^R 72.8	3.07	15.4	2.32
February	^E 1.73	2.94	6.24	5.17	69.1	2.97	15.5	2.26
March	^E 1.70	2.67	6.01	5.00	68.7	2.91	16.0	2.15
April	^E 1.93	2.91	6.32	^R 5.71	^R 64.6	^R 2.81	^R 15.9	2.29
May	^E 2.10	3.25	7.11	5.13	60.9	^R 2.65	17.1	2.57
June	^E 2.09	3.18	7.96	5.27	^R 59.7	2.87	16.8	2.53
July	^E 2.07	3.11	8.54	5.26	^R 57.9	2.90	17.4	2.58
August	^E 2.34	3.37	8.96	5.36	^R 54.6	3.06	^R 18.5	2.86
September	^E 2.42	3.50	8.45	5.43	^R 57.4	3.13	^R 17.1	2.98
October	^E 2.31	3.50	7.50	5.36	59.8	3.21	^R 17.3	2.83
November	^E 2.44	3.75	7.09	5.46	62.6	3.45	^R 17.6	3.01
December	^E 2.03	3.22	^R 6.48	^R 5.46	^R 65.6	3.26	18.6	2.68
Annual Average	^E2.08	3.11	6.62	5.27	^R65.1	3.04	16.9	2.62
2000								
January	^E 2.12	3.30	6.30	5.38	^R 68.3	3.28	^R 19.2	2.74
February	^E 2.30	3.49	6.45	5.44	^R 70.0	3.44	^R 18.2	2.95
March	^E 2.36	3.54	6.82	5.15	^R 65.7	^R 3.35	^R 17.3	2.99
April	^E 2.55	3.66	7.05	5.46	65.8	3.69	15.5	NA
May	^E 2.76	NA	NA	NA	NA	NA	NA	NA
June	^E 3.58	NA	NA	NA	NA	NA	NA	NA
2000 YTD^c	^E2.33	3.47	6.57	5.36	67.7	3.43	17.6	2.89
1999 YTD^c	^E1.79	2.83	6.11	5.18	69.4	2.94	15.7	2.24
1998 YTD^c	2.03	3.10	6.44	5.57	72.3	3.49	16.7	2.56

^a See Appendix A, Explanatory Note 8, for discussion of wellhead prices.

^b Percentage of total deliveries represented by onsystem sales, see Figure 6. See Table 25 for breakdown by State.

^c Year-to-date price represents months for which price information is available in the current year.

^R Revised Data.

^E Estimated Data.

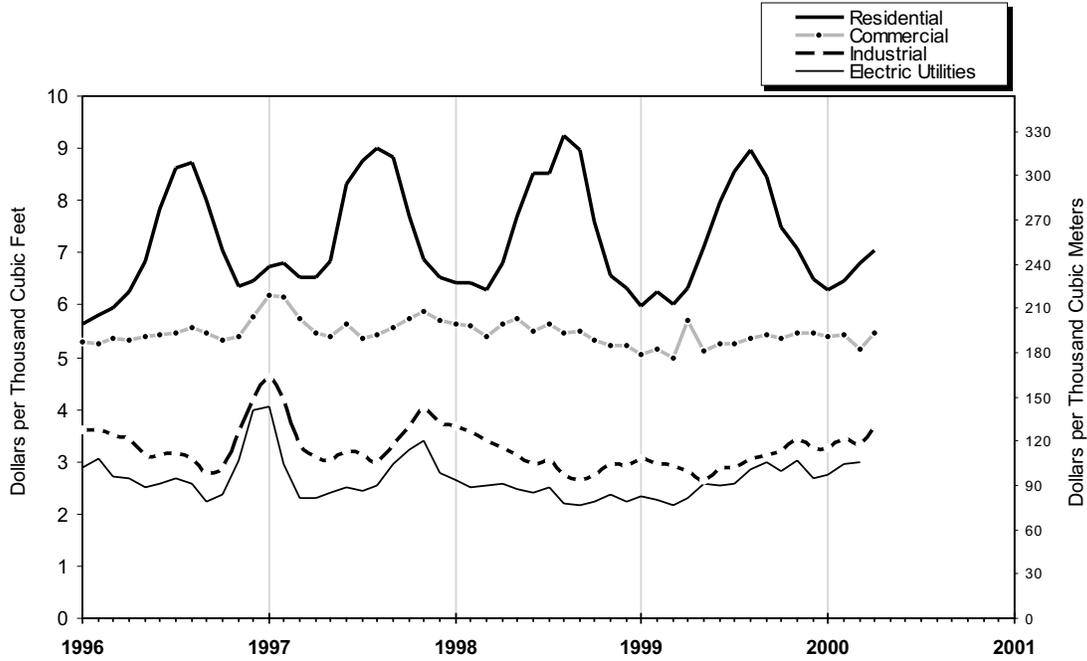
NA Not Available.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50

States and the District of Columbia. In 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

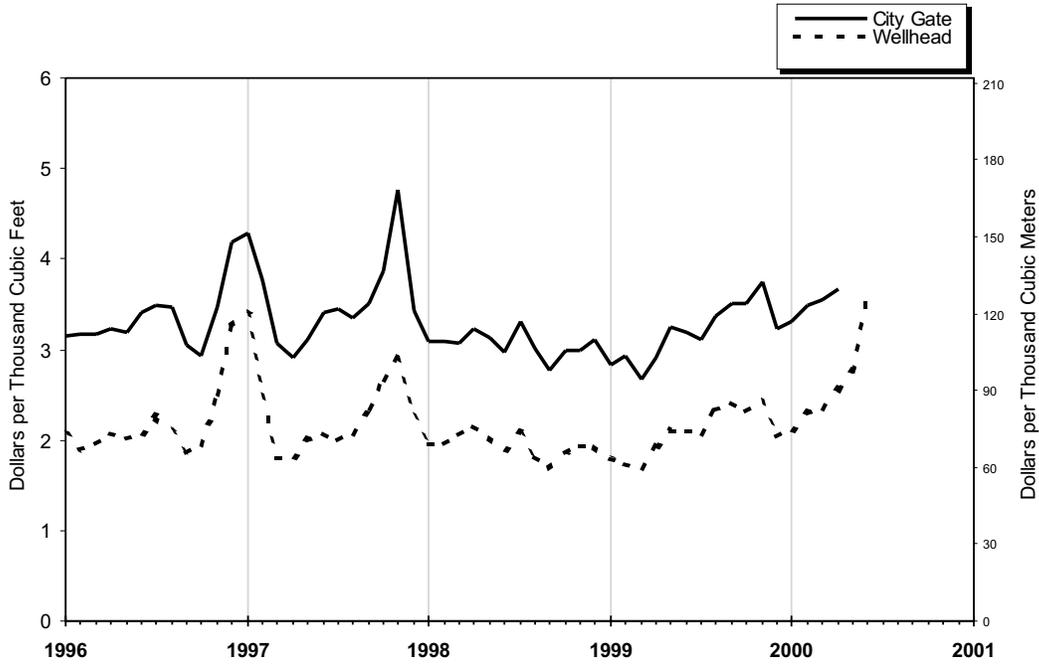
Sources: 1994-1998: Energy Information Administration (EIA) *Natural Gas Annual 1998*. January 1999 through current month: EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and EIA estimates. See Appendix A, Explanatory Note 8 for estimation procedures and revision policy.

Figure 3. Average Price of Natural Gas Delivered to Consumers in the U.S., 1996-2000



Source: Table 4

Figure 4. Average Price of Natural Gas in the United States, 1996-2000



Source: Table 4

Table 5. U.S. Natural Gas Imports, by Country, 1994-2000
(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG			
	Canada		Mexico		Algeria		Australia	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1994 Total	2,566,049	1.86	7,013	1.99	50,778	2.28	0	—
1995 Total	2,816,408	1.48	6,722	1.53	17,918	2.30	0	—
1996 Total	2,883,277	1.96	13,862	2.25	35,325	2.70	0	—
1997 Total	2,899,152	2.15	17,243	2.31	65,675	2.67	9,686	2.92
1998								
January	276,118	2.06	55	2.12	10,105	2.51	0	—
February	239,091	1.90	2,184	2.04	7,606	2.51	2,171	3.99
March	257,485	1.97	380	2.20	5,166	2.50	0	—
April	247,363	2.03	3,249	2.37	2,549	2.52	0	—
May	243,868	2.00	845	2.15	7,596	2.51	0	—
June	235,847	1.86	5	2.21	5,149	2.51	2,441	2.91
July	259,412	1.96	1,821	2.13	5,086	2.52	0	—
August	268,535	1.80	1,413	1.78	2,540	2.52	2,321	2.92
September	254,752	1.66	2,257	1.86	5,133	2.52	0	—
October	260,135	1.92	905	1.65	5,023	2.50	0	—
November	247,971	2.09	0	—	5,042	2.51	2,353	3.55
December	261,495	2.14	1,418	1.77	7,572	2.51	2,348	3.18
Total	3,052,073	1.95	14,532	2.03	68,567	2.51	11,634	3.30
1999								
January	290,266	1.98	4,891	1.76	12,612	2.47	0	—
February	258,656	1.89	4,398	1.71	7,423	2.51	2,557	3.56
March	279,161	1.82	751	1.61	12,648	2.70	0	—
April	265,973	1.84	4,192	2.04	7,639	2.46	0	—
May	270,034	2.17	6,843	1.97	3,900	2.67	0	—
June	256,251	2.13	4,978	2.14	2,528	1.96	2,314	2.34
July	271,431	2.27	3,876	2.24	5,133	2.19	0	—
August	287,657	2.49	6,028	2.64	2,554	2.19	2,302	2.35
September	283,625	2.74	4,643	2.42	7,593	2.51	0	—
October	290,306	2.57	4,168	2.52	5,120	2.50	2,309	2.41
November	288,378	2.95	6,463	2.34	2,440	2.88	0	—
December	290,919	2.38	3,297	2.11	5,022	2.54	2,422	2.74
Total	3,332,658	2.28	54,528	2.17	74,612	2.50	11,903	2.70
2000								
January	310,181	2.43	2,911	2.30	5,026	2.51	0	—
February	289,222	2.57	730	2.50	4,987	3.62	0	—
March	292,023	2.61	316	2.60	3,990	2.40	0	—
April	^R 269,684	NA	^E 316	NA	0	—	2,278	NA
May	^F 265,788	NA	^E 316	NA	5,019	NA	0	—
2000 YTD	^E 1,426,898	NA	^E 4,589	NA	19,022	NA	2,278	NA
1999 YTD	1,364,091	1.94	21,075	1.87	44,221	2.56	2,557	3.56
1998 YTD	1,263,925	1.99	6,714	2.22	33,023	2.51	2,171	3.99

See footnotes at end of table.

Table 5. U.S. Natural Gas Imports, by Country, 1994-2000

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet) — Continued

Year and Month	LNG								Total	
	Qatar		Trinidad		United Arab Emirates		Other		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1994 Total	0	—	0	—	0	—	0	—	2,623,839	1.87
1995 Total	0	—	0	—	0	—	0	—	2,841,048	1.49
1996 Total	0	—	0	—	4,949	3.46	0	—	2,937,413	1.97
1997 Total	0	—	0	—	2,417	3.74	0	—	2,994,173	2.17
1998										
January	0	—	0	—	0	—	0	—	286,278	2.08
February	0	—	0	—	0	—	0	—	251,052	1.94
March	0	—	0	—	0	—	0	—	263,032	1.98
April	0	—	0	—	0	—	0	—	253,161	2.04
May	0	—	0	—	0	—	0	—	252,310	2.02
June	0	—	0	—	0	—	0	—	243,442	1.88
July	0	—	0	—	0	—	0	—	266,319	1.97
August	0	—	0	—	0	—	0	—	274,809	1.82
September	0	—	0	—	0	—	0	—	262,142	1.68
October	0	—	0	—	0	—	0	—	266,063	1.93
November	0	—	0	—	2,667	2.78	0	—	258,033	2.12
December	0	—	0	—	2,585	2.47	0	—	275,417	2.16
Total	0	—	0	—	5,252	2.63	0	—	3,152,058	1.97
1999										
January	0	—	0	—	0	—	0	—	307,769	2.00
February	2,481	2.75	0	—	0	—	0	—	275,515	1.93
March	0	—	0	—	0	—	0	—	292,560	1.86
April	2,492	1.93	0	—	0	—	0	—	280,296	1.86
May	0	—	5,493	1.90	0	—	0	—	286,270	2.17
June	2,417	1.98	6,620	2.08	0	—	0	—	275,109	2.13
July	2,388	2.60	6,599	2.10	0	—	0	—	289,428	2.27
August	0	—	9,898	2.50	0	—	^a 2,576	2.37	311,014	2.49
September	4,987	2.71	4,393	2.55	0	—	0	—	305,242	2.73
October	0	—	4,394	2.52	0	—	0	—	306,296	2.57
November	2,374	3.07	6,657	2.86	2,713	2.97	0	—	309,026	2.94
December	2,392	3.55	5,256	2.84	0	—	0	—	309,307	2.40
Total	19,532	2.66	49,310	2.41	2,713	2.97	2,576	2.37	3,547,832	2.29
2000										
January	0	—	7,780	3.01	0	—	0	—	325,898	2.44
February	0	—	5,168	2.90	0	—	0	—	300,107	2.59
March	2,428	2.79	8,393	2.89	0	—	0	—	307,150	2.62
April	7,243	NA	7,318	NA	0	—	0	—	^{RE} 286,839	NA
May	0	—	7,675	NA	0	—	0	—	^E 278,797	NA
2000 YTD	9,671	NA	36,334	NA	0	—	0	—	^E 1,498,791	NA
1999 YTD	4,973	2.34	5,493	1.90	0	—	0	—	1,442,410	1.96
1998 YTD	0	—	0	—	0	—	0	—	1,305,833	2.01

^a Received from Malaysia.^R Revised Data.^E Estimated Data.^{RE} Revised Estimated Data.

NA Not Available.

— Not Applicable.

Sources: 1994: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Estimated pipeline data (shown with an "E") are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 6. U.S. Natural Gas Exports, by Country, 1994-2000
(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG				Total	
	Canada		Mexico		Japan		Mexico		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1994 Total	52,556	2.42	46,500	1.68	62,682	3.18	0	—	161,738	2.50
1995 Total	27,554	1.96	61,283	1.50	65,283	3.41	0	—	154,119	2.39
1996 Total	51,905	2.67	33,840	2.11	67,648	3.65	0	—	153,393	2.97
1997 Total	56,447	2.52	38,372	2.46	62,187	3.83	0	—	157,006	3.02
1998										
January	4,930	2.53	4,257	2.11	7,446	3.67	0	—	16,632	2.93
February	4,502	2.11	3,117	2.06	3,726	3.42	0	—	11,346	2.53
March	7,851	2.25	4,202	2.14	7,435	3.09	0	—	19,488	2.55
April	4,509	2.47	2,675	2.23	5,702	2.81	0	—	12,886	2.57
May	2,083	2.28	6,119	2.12	1,891	2.70	0	—	10,093	2.26
June	1,938	2.03	5,617	1.98	5,695	2.69	0	—	13,250	2.29
July	1,634	1.97	3,852	2.20	5,679	2.70	0	—	11,166	2.42
August	52	1.87	4,834	1.95	5,676	2.70	1	5.88	10,563	2.35
September	1,481	2.09	2,892	1.81	7,584	2.68	0	—	11,957	2.40
October	2,127	2.03	5,167	1.90	5,679	2.72	3	5.74	12,975	2.28
November	3,630	2.17	5,079	2.00	3,776	2.75	9	5.69	12,494	2.28
December	5,152	2.26	5,323	1.99	5,662	2.73	20	5.68	16,157	2.34
Total	39,891	2.25	53,133	2.04	65,951	2.91	33	5.69	159,007	2.45
1999										
January	2,373	1.91	4,526	1.83	5,587	2.61	24	7.48	12,510	2.20
February	3,360	1.94	4,753	1.74	5,563	2.49	28	7.46	13,704	2.11
March	4,883	1.80	5,950	1.64	5,570	2.75	22	7.41	16,425	2.07
April	2,300	1.79	5,049	1.89	5,699	2.48	19	7.23	13,067	2.14
May	2,512	2.26	6,109	2.29	5,586	2.70	24	7.47	14,231	2.45
June	2,255	2.16	5,278	2.32	3,723	2.41	19	7.34	11,275	2.33
July	2,347	2.21	5,613	2.36	5,675	3.13	19	7.20	13,654	2.66
August	2,419	2.44	5,400	2.75	5,628	2.70	19	7.40	13,466	2.68
September	2,301	2.82	5,267	2.94	5,604	2.95	22	7.35	13,194	2.93
October	2,842	2.63	4,085	3.28	3,723	3.28	14	7.18	10,664	3.11
November	8,019	2.94	5,009	2.96	5,580	2.96	22	5.92	18,630	2.95
December	6,750	2.37	3,986	3.81	5,577	3.81	23	5.88	16,336	3.22
Total	42,361	2.34	61,025	2.44	63,514	2.86	255	7.11	167,155	2.58
2000										
January	7,056	2.49	^R 5,937	^R 2.39	5,569	4.04	36	5.82	^R 18,598	^R 2.93
February	9,033	2.70	6,394	2.62	5,566	4.08	37	5.82	21,030	3.05
March	9,051	2.74	7,641	2.70	3,769	4.18	45	5.82	20,506	3.00
April	^E 6,750	NA	^E 7,641	NA	5,707	NA	NA	NA	^E 20,098	NA
May	^E 6,750	NA	^E 7,641	NA	5,104	NA	NA	NA	^E 19,495	NA
2000 YTD	^E 38,640	NA	^E 35,254	NA	25,714	NA	NA	NA	^E 99,726	NA
1999 YTD	15,428	1.92	26,387	1.89	28,005	2.61	117	7.42	69,937	2.19
1998 YTD	23,875	2.33	20,369	2.13	26,200	3.21	0	—	70,445	2.60

^R Revised Data.

^E Estimated Data.

NA Not Available.

— Not Applicable.

Sources: 1994: Energy Information Administration, Form FPC-14,

"Annual Report for Importers and Exporters of Natural Gas." January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Estimated pipeline data (shown with an "E") are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 7. Marketed Production of Natural Gas, by State, 1994-2000
(Million Cubic Feet)

Year and Month	Alabama ^P	Alaska	Arizona	California	Colorado	Florida	Kansas
1994 Total	515,272	555,402	752	309,427	453,207	7,486	712,730
1995 Total	519,661	469,550	558	279,555	523,084	6,463	721,436
1996 Total	530,841	480,828	463	286,494	572,071	6,006	712,796
1997 Total	583,272	468,311	452	285,690	637,375	6,114	687,215
1998							
January	46,466	43,382	43	24,752	57,511	503	53,032
February	41,653	39,244	42	22,151	52,954	491	48,698
March	46,476	42,479	53	22,708	58,795	592	52,948
April	46,281	38,540	43	21,952	57,586	531	51,415
May	48,978	35,281	38	23,894	57,916	513	54,334
June	49,638	36,217	34	24,871	55,989	426	52,862
July	50,131	36,171	42	27,157	57,737	486	51,324
August	49,215	36,118	36	29,727	58,584	472	54,059
September	42,308	36,884	32	29,114	57,005	498	43,419
October	47,503	39,958	31	30,467	60,868	423	47,058
November	46,682	39,483	33	29,508	59,592	401	47,359
December	48,447	42,890	33	28,974	61,783	459	47,078
Total	563,779	466,648	457	315,277	696,321	5,796	603,586
1999							
January	32,042	43,848	31	29,268	64,539	517	52,200
February	29,023	39,443	27	26,541	65,679	448	43,801
March	31,836	42,685	36	30,361	64,787	494	47,290
April	28,413	^E 37,537	38	29,808	60,311	459	45,904
May	33,517	^E 33,279	41	30,944	62,881	427	46,147
June	32,295	^E 35,853	45	28,553	61,281	392	46,452
July	32,356	^E 36,229	60	30,744	61,014	503	46,254
August	32,180	34,246	51	31,632	61,142	570	45,902
September	32,532	32,790	43	31,288	58,471	526	44,294
October	32,386	39,580	43	32,560	62,315	528	45,342
November	32,204	40,458	35	32,442	60,588	566	44,094
December	32,917	43,918	28	31,804	59,278	503	45,740
Total	381,702	^E 459,865	478	365,945	742,284	5,933	553,419
2000							
January	32,291	^R 43,584	37	31,011	^E 61,130	499	^R 44,772
February	30,245	^R 38,884	33	28,855	^E 58,455	^E 475	^R 42,199
March	31,529	41,499	26	31,351	^E 62,186	^E 567	40,737
2000 YTD	94,064	123,967	96	91,217	^E 181,771	^E 1,540	127,707
1999 YTD	92,901	125,976	95	86,170	195,005	1,458	143,290
1998 YTD	134,596	125,105	137	69,612	169,260	1,587	154,678

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1994-2000

(Million Cubic Feet) — Continued

Year and Month	Louisiana ^b	Michigan	Mississippi	Montana	New Mexico	North Dakota	Oklahoma
1994 Total	5,169,705	222,657	63,448	50,416	1,557,689	57,805	1,934,864
1995 Total	5,108,366	238,203	95,533	50,264	1,625,837	49,468	1,811,734
1996 Total	5,289,742	245,740	103,263	50,996	1,554,087	49,674	1,734,887
1997 Total	5,229,821	305,950	107,300	52,437	1,558,633	52,401	1,703,888
1998							
January	453,867	28,460	9,639	4,831	130,265	4,623	158,897
February	409,480	8,278	8,574	4,569	118,164	4,039	126,200
March	459,364	30,780	9,781	4,892	132,729	4,344	136,334
April	452,863	17,823	8,957	4,683	127,544	4,311	134,115
May	471,279	29,198	9,121	4,978	131,488	4,529	140,400
June	451,104	26,958	8,586	4,448	120,632	4,304	136,013
July	454,637	26,171	9,258	4,636	126,924	4,460	134,510
August	457,279	18,896	8,834	4,594	129,164	4,546	139,914
September	363,707	28,491	8,664	4,750	124,152	4,435	134,805
October	433,764	21,816	8,868	5,040	129,640	4,610	138,167
November	431,629	12,013	8,602	5,044	116,404	4,465	134,583
December	448,896	29,193	9,184	5,182	113,991	4,520	130,592
Total	5,287,870	278,076	108,068	57,645	1,501,098	53,185	1,644,531
1999							
January	466,143	20,853	9,154	^E 4,947	134,745	4,331	^E 144,408
February	425,121	8,746	8,678	^E 4,700	134,071	3,858	^E 122,928
March	463,776	39,892	9,933	^E 5,002	134,084	4,220	^E 133,354
April	450,953	22,653	9,426	^E 4,749	134,098	4,298	^E 131,587
May	474,329	25,273	9,708	^E 4,894	134,008	4,335	^E 139,036
June	464,118	25,120	9,480	^E 4,118	133,918	4,329	^E 133,557
July	468,257	24,043	9,542	^E 4,340	133,828	4,570	^E 132,444
August	468,679	19,291	9,406	^E 4,552	133,738	4,540	^E 133,202
September	444,299	24,696	9,198	^E 4,621	135,075	4,431	^E 132,151
October	447,547	13,774	9,050	^E 4,527	136,426	4,613	^E 137,584
November	444,283	21,770	8,608	^E 5,019	^E 127,203	4,576	^E 131,472
December	457,337	32,091	8,840	^E 5,371	^E 126,935	4,622	^E 132,433
Total	5,474,842	278,202	111,022	^E56,840	^E1,598,128	52,722	^E1,604,156
2000							
January	460,309	22,664	8,241	^R 5,780	^R 119,673	4,596	^E 133,257
February	432,654	16,043	^E 7,636	^R 5,357	^R 120,198	4,114	^E 124,665
March	467,392	^E 43,992	^E 8,594	5,092	^E 129,748	^E 4,288	^E 132,000
2000 YTD	1,360,355	^E82,699	^E24,472	16,229	^E369,619	^E12,998	^E389,922
1999 YTD	1,355,040	69,491	27,765	^E14,649	402,900	12,408	^E400,690
1998 YTD	1,322,710	67,518	27,994	14,291	381,158	13,006	421,431

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1994-2000

(Million Cubic Feet) — Continued

Year and Month	Oregon	Texas ^c	Utah	Wyoming	Other ^a States	U.S. Total
1994 Total	3,221	6,353,844	270,858	696,018	774,724	19,709,525
1995 Total	1,923	6,330,048	241,290	673,775	759,728	19,506,474
1996 Total	1,439	6,470,620	250,767	666,036	805,491	19,812,241
1997 Total	1,173	6,453,873	257,139	738,368	736,679	19,866,093
1998						
January	90	550,623	21,826	66,238	64,219	1,719,267
February	79	497,583	21,758	59,825	56,464	1,520,246
March	96	548,845	23,656	64,659	60,395	1,699,925
April	92	531,219	23,513	61,338	57,355	1,640,161
May	92	545,368	24,967	65,642	57,484	1,705,500
June	90	522,691	23,968	59,655	55,586	1,634,073
July	95	536,998	23,036	63,534	58,630	1,665,937
August	94	542,707	23,681	63,228	56,789	1,677,936
September	90	507,526	21,554	63,059	56,609	1,527,103
October	83	529,662	23,830	65,994	61,915	1,649,698
November	85	509,919	23,045	64,618	57,038	1,590,505
December	80	495,612	22,507	63,523	62,259	1,615,203
Total	1,067	6,318,754	277,340	761,313	704,742	19,645,554
1999						
January	83	542,129	23,467	62,582	^E 60,348	^E 1,695,636
February	84	490,865	21,141	55,832	^E 55,142	^E 1,536,128
March	120	534,240	23,878	67,624	^E 59,456	^E 1,693,066
April	111	507,927	22,076	61,885	^E 55,351	^E 1,607,583
May	113	526,518	22,771	64,838	^E 56,407	^E 1,669,465
June	111	501,865	21,828	63,028	^E 53,875	^E 1,620,216
July	110	521,504	21,707	66,127	^E 55,164	^E 1,648,796
August	74	517,063	21,493	58,535	^E 55,466	^E 1,631,761
September	90	503,267	19,725	66,255	^E 54,270	^E 1,598,021
October	124	525,498	21,610	71,680	^E 59,148	^E 1,644,334
November	134	508,064	21,364	67,983	^E 57,000	^E 1,607,863
December	138	521,846	21,554	73,001	^E 60,056	^E 1,658,412
Total	1,291	6,200,786	262,614	779,369	^E681,684	^E19,611,282
2000						
January	120	527,719	^E 21,803	60,415	^E 58,767	^{RE} 1,636,668
February	101	492,046	^E 20,135	^E 55,087	^E 52,594	^{RE} 1,529,776
March	102	533,255	^E 22,615	^E 62,242	^E 56,517	^E 1,673,731
2000 YTD	323	1,553,020	^E64,553	^E177,744	^E167,878	^E4,840,175
1999 YTD	287	1,567,234	68,486	186,037	^E174,946	^E4,924,830
1998 YTD	265	1,597,051	67,240	190,722	181,077	4,939,438

^a Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia and West Virginia. The 1999 monthly values for these States are estimated.

^b For Alabama and Louisiana, all data for 1994 through 1998 include Federal Offshore production. For 1999, Alabama data do not include Federal Offshore production, while data for Louisiana include both the Louisiana and Alabama portions of Federal Offshore Production.

^c Federal offshore production volumes are included.

^R Revised Data.

^E Estimated Data.

^{RE} Revised Estimated Data.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise indicated. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Sources: 1994-1998: Energy Information Administration (EIA), *Natural Gas Annual 1998*; 1999 through current month: Form EIA-895, "Monthly Quantity of Natural Gas Report," Minerals Management Service reports, and EIA computations.

Table 8. Gross Withdrawals and Marketed Production of Natural Gas by State, March 2000
(Million Cubic Feet)

State	Gross Withdrawals			Repressuring	Nonhydrocarbon Gases Removed ^a	Vented and Flared	Marketed Production
	From Gas Wells	From Oil Wells	Total				
Alabama	34,341	554	34,895	1,265	1,951	150	31,529
Alaska	15,717	302,637	318,355	276,304	0	552	41,499
Arizona	26	0	26	0	0	0	26
California	7,229	27,609	34,838	3,244	163	79	31,351
Colorado	[£] 54,395	[£] 8,394	[£] 62,789	[£] 536	0	[£] 67	[£] 62,186
Florida	0	[£] 640	[£] 640	0	[£] 73	0	[£] 567
Kansas	37,027	[£] 3,820	40,847	69	0	41	40,737
Louisiana	411,302	61,831	473,132	3,711	0	2,030	467,392
Michigan	[£] 35,804	[£] 8,951	[£] 44,755	[£] 315	0	[£] 448	[£] 43,992
Mississippi	[£] 9,418	[£] 437	[£] 9,855	[£] 539	[£] 508	[£] 213	[£] 8,594
Montana	4,486	612	5,098	6	0	0	5,092
New Mexico	[£] 124,395	[£] 19,290	[£] 143,685	[£] 874	[£] 12,830	[£] 233	[£] 129,748
North Dakota	1,075	3,444	4,519	0	5	226	[£] 4,288
Oklahoma	[£] 119,083	[£] 12,917	[£] 132,000	[£] 0	[£] 0	[£] 0	[£] 132,000
Oregon	124	0	124	4	17	0	102
Texas	472,816	114,408	587,224	38,002	13,496	2,471	533,255
Utah	[£] 20,585	[£] 3,197	[£] 23,782	[£] 37	0	[£] 1,131	[£] 22,615
Wyoming	[£] 95,988	[£] 4,999	[£] 100,987	[£] 12,235	[£] 13,246	[£] 13,263	[£] 62,242
Other States	[£] 54,177	[£] 2,978	[£] 57,155	[£] 92	[£] 433	[£] 113	[£] 56,517
Total	[£]1,497,989	[£]576,716	[£]2,074,706	[£]337,234	[£]42,724	[£]21,016	[£]1,673,731

^a See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

[£] Estimated Data.

Notes: All monthly data are considered preliminary until publication of the

Natural Gas Annual for that year. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Sources: Form EIA-895, "Monthly Quantity of Natural Gas Report."

Table 9. Underground Natural Gas Storage - All Operators, 1994-2000

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total ^b	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^c
1994 Total^a	4,360	2,606	6,966	284	12.2	2,796	2,508	-288
1995 Total^a	4,349	2,153	6,503	-453	-17.4	2,566	2,974	408
1996 Total^a	4,341	2,173	6,513	19	0.9	2,906	2,911	6
1997 Total^a	4,350	2,175	6,525	2	0.1	2,800	2,824	24
1998								
January	4,347	1,712	6,060	215	14.5	69	538	468
February	4,342	1,426	5,768	286	25.2	75	365	291
March	4,342	1,183	5,524	192	19.4	136	382	246
April	4,339	1,386	5,725	334	31.9	280	80	-200
May	4,341	1,774	6,114	407	29.9	433	42	-391
June	4,335	2,114	6,449	381	22.1	379	52	-327
July	4,378	2,428	6,806	409	20.4	371	54	-317
August	4,340	2,698	7,038	358	15.4	336	58	-278
September	4,341	2,928	7,269	253	9.6	298	74	-224
October	4,342	3,191	7,533	302	10.6	308	46	-262
November	4,344	3,155	7,499	453	16.9	137	168	31
December	4,326	2,730	7,056	554	25.5	83	519	436
Total	—	—	—	—	—	2,905	2,379	-526
1999								
January	4,327	2,094	6,421	381	22.2	55	678	623
February	4,312	1,792	6,104	372	26.2	62	395	333
March	4,361	1,430	5,792	246	20.7	84	381	297
April	4,355	1,514	5,869	131	9.5	203	112	-91
May	4,346	1,847	6,192	72	4.0	380	43	-337
June	4,344	2,157	6,501	54	2.6	345	40	-306
July	4,350	2,390	6,740	-27	-1.1	303	78	-225
August	4,342	2,632	6,974	-66	-2.4	309	70	-238
September	4,360	2,884	7,245	-43	-1.5	352	42	-310
October	4,360	3,026	7,386	-165	-5.2	238	90	-148
November	4,364	2,991	7,355	-164	-5.2	170	200	30
December	4,373	2,509	6,881	-221	-8.1	54	568	514
Total	—	—	—	—	—	2,555	2,697	141
2000								
January	4,363	1,725	6,088	-370	-17.6	48	829	780
February	4,371	1,300	5,672	-491	-27.4	78	532	454
March	4,364	1,150	5,514	-280	-19.6	132	294	162
April	4,363	1,184	5,547	-329	-21.8	181	145	-36
May	4,356	1,426	5,782	-420	-22.8	308	75	-232
June(STIFS)	^{RE} 4,356	^{RE} 1,737	^{RE} 6,093	^{RE} -419	^{RE} -19.4	^{NA}	^{NA}	^E -311
July(STIFS)	^E 4,356	^E 2,065	^E 6,421	^E -325	^E -13.6	^{NA}	^{NA}	^E -328

^a Total as of December 31.^b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1994 - 8,043; 1995 - 7,927; 1996 - 8,159; 1997 - 8,128; and 1998 - 8,179.^c Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.^E Estimated Data.^{RE} Revised Estimated Data.^{NA} Not Available.

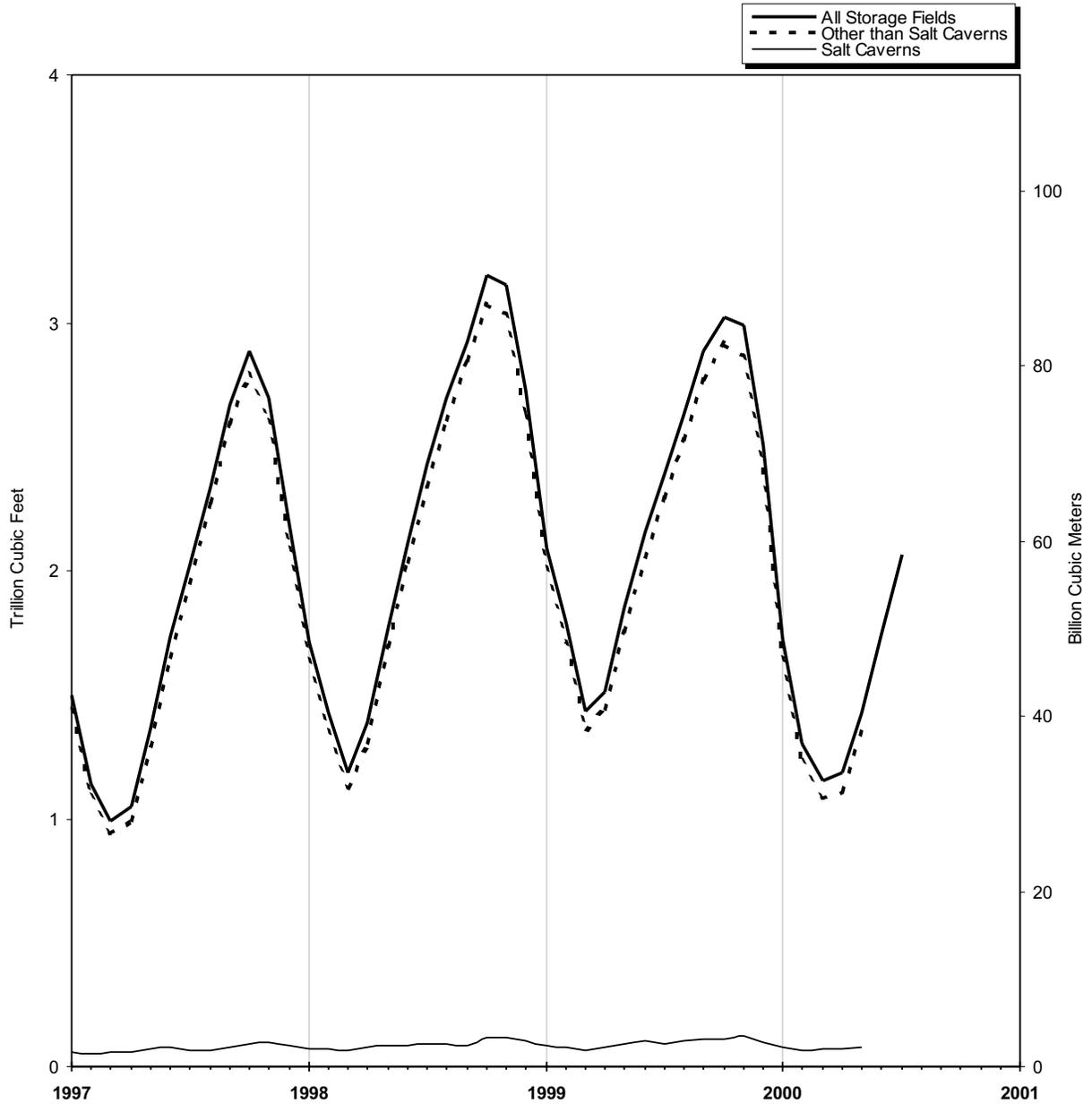
— Not Applicable.

Notes: Data for 1994 through 1998 are final. All other data are

preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Figure 5. Working Gas in Underground Natural Gas Storage in the U.S., 1997-2000



Sources: Energy Information Administration, Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 10. Underground Natural Gas Storage - by Season, 1997-2000
(Volumes in Billion Cubic Feet)

Year, Season and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^a
October 1997	4,358	2,886	7,244	75	2.7	294	84	-210
1997-1998 Heating Season								
November	4,359	2,699	7,058	150	5.9	113	302	189
December	4,350	2,175	6,525	2	0.1	45	579	533
January	4,347	1,712	6,060	215	14.5	69	538	468
February	4,342	1,426	5,768	286	25.2	75	365	291
March	4,342	1,183	5,524	192	19.4	136	382	246
Total	—	—	—	—	—	438	2,165	1,727
1998 Refill Season								
April	4,339	1,386	5,725	334	31.9	280	80	-200
May	4,341	1,774	6,114	407	29.9	433	42	-391
June	4,335	2,114	6,449	381	22.1	379	52	-327
July	4,378	2,428	6,806	409	20.4	371	54	-317
August	4,340	2,698	7,038	358	15.4	336	58	-278
September	4,341	2,928	7,269	253	9.6	298	74	-224
October	4,342	3,191	7,533	302	10.6	308	46	-262
Total	—	—	—	—	—	2,405	407	-1,998
1998-1999 Heating Season								
November	4,344	3,155	7,499	453	16.9	137	168	31
December	4,326	2,730	7,056	554	25.5	83	519	436
January	4,327	2,094	6,421	381	22.2	55	678	623
February	4,312	1,792	6,104	372	26.2	62	395	333
March	^b 4,361	^b 1,430	5,792	246	20.7	84	381	297
Total	—	—	—	—	—	422	2,141	1,719
1999 Refill Season								
April	4,355	1,514	5,869	131	9.5	203	112	-91
May	4,346	1,847	6,192	72	4.0	380	43	-337
June	4,344	2,157	6,501	54	2.6	345	40	-306
July	4,350	2,390	6,740	-27	-1.1	303	78	-225
August	4,342	2,632	6,974	-66	-2.4	309	70	-238
September	4,360	2,884	7,245	-43	-1.5	352	42	-310
October	4,360	3,026	7,386	-165	-5.2	238	90	-148
Total	—	—	—	—	—	2,130	474	-1,656
1999-2000 Heating Season								
November	4,364	2,991	7,355	-164	-5.2	170	200	30
December	4,373	2,509	6,881	-221	-8.1	54	568	514
January	4,363	1,725	6,088	-370	-17.6	48	829	780
February	4,371	1,300	5,672	-491	-27.4	78	532	454
March	4,364	1,150	5,514	-280	-19.6	132	294	162
Total	—	—	—	—	—	482	2,423	1,940
2000 Refill Season								
April	4,363	1,184	5,547	-329	-21.8	181	145	-36
May	4,356	1,426	5,782	-420	-22.8	308	75	-232
June(STIFS)	^{RE} 4,356	^{RE} 1,737	^{RE} 6,093	^{RE} -419	^{RE} -19.4	NA	NA	^E -311
July(STIFS)	^E 4,356	^E 2,065	^E 6,421	^E -325	^E -13.6	NA	NA	^E -328

^a Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

^b Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.

^E Estimated Data.

^{RE} Revised Estimated Data.

NA Not Available.

— Not Applicable.

Notes: Data for 1997 and 1998 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory

Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Underground Natural Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Table 11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1994 - 2000
(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1994 Total^a	44	70	113	—	—	142	123	-19
1995 Total^a	60	72	131	2	2.9	194	200	5
1996 Total^a	64	85	149	14	18.8	258	246	-13
1997 Total^a	67	83	150	-4	-3.0	267	274	6
1998								
January	67	69	136	10	21.6	18	31	13
February	66	69	135	18	39.1	18	21	3
March	68	64	131	8	13.8	23	29	6
April	68	80	149	22	38.7	30	12	-18
May	68	83	151	9	12.9	26	23	-3
June	66	83	149	3	4.1	21	23	2
July	66	91	157	25	38.0	26	18	-8
August	66	92	158	25	38.8	24	22	-2
September	67	83	151	5	7.4	24	33	9
October	67	116	183	22	24.4	45	12	-33
November	68	119	186	23	24.5	23	18	-5
December	67	104	171	21	26.0	18	33	15
Total	—	—	—	—	—	297	275	-22
1999								
January	69	84	153	14	19.6	19	41	22
February	67	77	144	10	14.3	15	20	5
March	67	68	135	4	6.0	18	26	8
April	67	77	144	-3	-3.8	27	18	-9
May	67	94	161	11	13.4	29	12	-17
June	65	102	167	19	22.6	21	15	-6
July	65	94	160	3	3.0	16	24	8
August	66	102	168	9	9.6	22	14	-8
September	66	113	179	29	35.0	23	13	-10
October	67	114	181	-1	-1.2	21	19	-1
November	67	122	189	4	3.4	21	17	-4
December	67	100	167	-4	-4.1	18	33	15
Total	—	—	—	—	—	249	253	4
2000								
January	68	75	143	-9	-10.4	15	49	34
February	69	66	135	-11	-14.4	23	21	-2
March	69	69	139	2	2.4	24	20	-4
April	70	74	144	-3	-3.8	24	19	-5
May	70	77	147	-17	-17.9	27	24	-3

^a Total as of December 31.

— Not Applicable.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due

to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1994-2000

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Non-Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1994 Total^a	4,317	2,536	6,853	—	—	2,654	2,385	-269
1995 Total^a	4,290	2,082	6,371	-455	-17.9	2,372	2,774	403
1996 Total^a	4,277	2,087	6,364	6	0.3	2,647	2,665	18
1997 Total^a	4,283	2,092	6,375	4	0.2	2,533	2,551	18
1998								
January	4,281	1,643	5,923	203	14.2	51	507	456
February	4,276	1,357	5,633	267	24.5	57	344	287
March	4,274	1,119	5,393	184	19.8	113	353	240
April	4,271	1,306	5,576	312	31.5	250	68	-182
May	4,272	1,691	5,963	398	30.9	407	20	-387
June	4,269	2,030	6,300	378	23.0	358	29	-329
July	4,312	2,337	6,649	385	19.8	345	36	-309
August	4,274	2,606	6,880	332	14.7	312	37	-275
September	4,273	2,844	7,118	247	9.6	274	41	-233
October	4,275	3,076	7,350	280	10.1	263	34	-229
November	4,276	3,036	7,313	430	16.6	114	150	36
December	4,259	2,626	6,884	532	25.5	64	485	421
Total	—	—	—	—	—	2,608	2,103	-504
1999								
January	4,257	2,010	6,268	367	22.4	37	638	601
February	4,245	1,714	5,960	363	26.8	47	375	328
March	4,294	1,363	5,657	242	21.6	67	355	289
April	4,288	1,437	5,725	134	10.3	175	94	-81
May	4,279	1,753	6,031	61	3.6	351	31	-320
June	4,279	2,055	6,333	35	1.7	324	24	-300
July	4,285	2,296	6,581	-30	-1.3	287	54	-233
August	4,276	2,530	6,806	-75	-2.9	287	56	-231
September	4,294	2,772	7,066	-73	-2.5	329	29	-300
October	4,293	2,912	7,205	-164	-5.3	217	70	-147
November	4,297	2,869	7,166	-168	-5.5	149	183	34
December	4,306	2,409	6,715	-217	-8.3	36	535	499
Total	—	—	—	—	—	2,306	2,444	138
2000								
January	4,295	1,649	5,944	-361	-17.9	33	779	746
February	4,302	1,234	5,537	-480	-28.0	55	511	455
March	4,295	1,080	5,375	-282	-20.7	109	274	166
April	4,293	1,110	5,403	-326	-22.7	156	126	-30
May	4,285	1,349	5,635	-403	-23.0	280	51	-229

^a Total as of December 31.

— Not Applicable.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due

to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000

(Volumes in Million Cubic Feet)

State	2000					1999	
	May	April	March	February	January	Total	December
Alabama	-90	66	-8	-307	916	-164	189
Arkansas	-698	-287	997	1,228	1,722	233	1,276
California	-10,967	-19,885	-3,144	21,871	27,322	-1,134	23,168
Colorado	-751	1,382	6,707	3,627	6,198	-1,151	5,102
Illinois	-13,295	13,190	8,776	34,403	59,032	-492	38,144
Indiana	-258	1,350	2,031	1,448	7,049	187	4,137
Iowa	-4,399	1,706	5,207	11,385	21,126	846	21,305
Kansas	-6,106	2,275	11,548	9,643	25,461	16,997	22,749
Kentucky	-4,062	3,470	6,759	10,109	21,162	2,256	10,764
Louisiana	-4,878	9,828	19,976	38,771	52,444	-4,822	31,136
Maryland	-2,480	-633	-65	3,384	5,481	-78	1,417
Michigan	-48,446	-6,666	44,807	80,436	162,410	33,967	97,764
Minnesota	2	116	301	298	401	-253	147
Mississippi	-4,057	527	-1,228	-595	11,377	14,304	8,997
Missouri	-25	103	-98	-548	1,122	-557	341
Montana	522	621	2,164	3,191	4,177	8,194	2,673
Nebraska	-78	-92	42	1,313	1,019	-294	491
New Mexico	-469	-2,587	208	1,034	1,032	-2,293	814
New York	-8,663	-2,854	6,360	13,702	18,533	8,773	12,598
Ohio	-28,909	-5,163	24,219	36,569	58,844	15,699	43,488
Oklahoma	-9,562	-5,856	2,165	36,526	45,987	-10,508	15,213
Oregon	-869	783	1,766	1,566	2,088	-409	1,381
Pennsylvania	-52,902	-7,196	11,168	66,917	111,718	20,463	68,921
Tennessee	0	18	63	63	175	-28	164
Texas	-2,892	-10,396	-9,237	34,595	54,376	387	38,053
Utah	-5,531	-4,447	3,012	7,585	10,093	9,193	12,584
Virginia	-278	-114	32	105	695	129	467
Washington	-2,639	-893	1,485	2,566	7,755	-2,543	1,684
West Virginia	-18,051	-4,487	14,440	30,334	57,742	35,234	46,582
Wyoming	-1,590	507	1,332	2,373	2,935	-995	2,378
AGA Regions							
Producing	-28,663	-6,496	24,430	121,202	192,398	14,300	118,238
Eastern Consuming	-181,936	-7,304	123,733	289,313	527,024	115,941	346,773
Western Consuming	-21,823	-21,815	13,622	43,076	60,969	10,902	49,118
Total	-232,422	-35,615	161,785	453,592	780,391	141,142	514,128

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000

(Volumes in Million Cubic Feet) — Continued

State	1999						
	November	October	September	August	July	June	May
Alabama	-134	77	-402	-81	-235	-210	-471
Arkansas	423	-219	-237	-901	-1,116	-1,086	-1,045
California	-4,713	-4,840	-9,773	2,919	-11,199	-20,737	-27,111
Colorado	-875	-2,419	-4,873	-5,436	-6,692	-5,526	-307
Illinois	2,249	-28,933	-38,601	-30,924	-23,880	-24,188	-27,851
Indiana	-2,154	-3,753	-4,225	-2,797	-1,681	-1,625	-758
Iowa	1,096	-10,941	-13,108	-12,914	-10,783	-6,837	-4,596
Kansas	979	-1,014	-14,496	-9,796	-3,006	-17,080	-12,144
Kentucky	2,283	-1,117	-10,052	-1,241	-3,773	-10,131	-8,328
Louisiana	4,760	-12,129	-32,350	-3,569	-3,546	-19,988	-22,324
Maryland	459	-3,376	-1,411	-1,954	1,324	93	-2,551
Michigan	6,940	-21,286	-45,478	-50,880	-51,556	-51,441	-49,536
Minnesota	-128	-175	-272	-250	-308	-172	0
Mississippi	-2,641	1,133	-2,086	-1,088	852	-3,642	-5,105
Missouri	-174	-205	-408	-64	6	6	-697
Montana	1,189	519	-1,472	-2,542	-1,794	-1,784	-568
Nebraska	-298	-477	-1,732	-1,004	478	-697	-701
New Mexico	-1,202	-260	-2,232	-841	-172	-443	-1,371
New York	1,472	-938	-5,725	-6,853	-5,915	-6,909	-9,935
Ohio	8,486	-9,284	-25,111	-27,587	-27,798	-27,954	-33,732
Oklahoma	-2,795	-11,483	-15,540	-1,222	-748	-9,556	-14,068
Oregon	-592	0	-1,542	-1,313	-2,114	-2,013	168
Pennsylvania	4,194	-19,002	-41,487	-37,841	-27,925	-36,090	-44,102
Tennessee	56	-57	-105	-104	-76	-107	-143
Texas	-770	-11,096	-10,532	-7,923	-6,519	-21,602	-30,819
Utah	957	-1,889	-4,860	-4,582	-7,489	-5,915	-3,772
Virginia	182	-110	-418	-207	-209	-211	-273
Washington	-38	-1,402	-402	-2,951	-3,595	-1,765	-786
West Virginia	10,697	-3,299	-20,378	-22,999	-23,517	-26,426	-32,000
Wyoming	545	-306	-1,030	-1,371	-2,294	-1,661	-2,132
AGA Regions							
Producing	-1,246	-35,067	-77,473	-25,340	-14,255	-73,397	-86,875
Eastern Consuming	35,355	-102,700	-208,641	-197,450	-175,542	-192,727	-215,674
Western Consuming	-3,655	-10,511	-24,223	-15,526	-35,485	-39,575	-34,509
Total	30,454	-148,279	-310,337	-238,316	-225,282	-305,699	-337,059

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000

(Volumes in Million Cubic Feet) — Continued

State	1999				1998		
	April	March	February	January	Total	December	November
Alabama	-137	312	114	813	-447	139	-1
Arkansas	-667	690	1,049	2,066	-1,774	1,245	63
California	-911	9,782	18,491	23,789	-40,969	30,486	-14,022
Colorado	8,881	3,319	3,684	3,990	-5,072	7,324	-1,757
Illinois	7,599	27,580	41,907	56,407	-9,780	42,407	9,311
Indiana	921	3,622	2,942	5,558	-921	4,063	-2,296
Iowa	86	5,170	11,814	20,553	-2,954	20,920	-178
Kansas	5,085	13,977	9,273	22,470	-18,691	14,533	3,580
Kentucky	-2,297	6,081	7,825	12,241	-11,700	10,352	1,731
Louisiana	-16,632	10,263	15,966	43,591	-82,860	38,463	1,355
Maryland	-667	1,208	1,982	3,399	-876	1,882	29
Michigan	-23,148	53,123	57,189	112,276	-74,840	60,982	18,759
Minnesota	214	167	238	287	372	438	-84
Mississippi	-2,240	6,840	3,303	9,981	-10,185	5,464	702
Missouri	-27	150	343	170	173	573	-204
Montana	1,329	2,410	3,375	4,860	-400	3,962	2,606
Nebraska	1,168	1,338	442	698	1,466	1,336	625
New Mexico	1,025	943	83	1,364	-6,479	-619	-1,243
New York	-5,300	10,688	10,057	15,534	-10,656	6,889	1,047
Ohio	-5,317	33,698	33,362	53,448	-26,672	35,491	7,882
Oklahoma	-8,791	8,079	-881	31,284	-48,008	24,711	106
Oregon	735	1,185	1,717	1,979	-1,278	1,329	49
Pennsylvania	-24,525	44,023	50,445	83,851	-40,009	46,685	858
Tennessee	3	80	131	130	-62	131	-2
Texas	-15,510	14,152	9,654	43,297	-102,117	36,724	-2,512
Utah	1,667	5,738	6,185	10,569	676	6,533	2,087
Virginia	-184	325	449	317	-510	371	47
Washington	1,852	1,113	3,144	603	-539	3,223	-732
West Virginia	-13,958	30,271	36,278	53,983	-28,267	27,238	3,983
Wyoming	-990	352	2,050	3,464	-2,719	2,677	-590
AGA Regions							
Producing	-37,730	54,944	38,447	154,055	-270,114	120,522	2,052
Eastern Consuming	-65,782	217,668	255,282	419,379	-206,056	259,459	41,592
Western Consuming	12,778	24,066	38,885	49,540	-49,929	55,973	-12,444
Total	-90,735	296,678	332,615	622,974	-526,099	435,953	31,200

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000
(Volumes in Million Cubic Feet) — Continued

State	1998					
	October	September	August	July	June	May
Alabama	-613	401	-200	9	-623	-144
Arkansas	-580	-817	-1,005	-1,034	-1,100	-1,046
California	-23,861	-5,931	-7,171	-9,351	-27,432	-29,142
Colorado	-2,045	-5,894	-5,866	-4,055	-3,907	-6,024
Illinois	-30,361	-39,382	-32,631	-25,975	-32,534	-25,812
Indiana	-2,901	-4,532	-4,058	-2,987	-519	-483
Iowa	-7,251	-12,282	-10,097	-14,097	-8,440	-3,579
Kansas	-8,545	-9,036	-11,957	-12,830	-6,032	-18,906
Kentucky	-5,424	-4,214	-7,859	-11,061	-8,191	-11,810
Louisiana	-36,341	-9,007	-20,195	-25,554	-14,745	-22,813
Maryland	-1,312	-809	-1,413	-2,954	-1,266	-816
Michigan	-27,000	-30,308	-52,147	-60,115	-69,950	-69,619
Minnesota	-187	-275	-284	-289	-169	0
Mississippi	-10,304	268	-4,119	-6,008	-2,924	-3,418
Missouri	-208	-414	-203	8	143	-460
Montana	-1,532	-4,239	-4,524	-2,294	-2,024	-2,570
Nebraska	-308	-778	-524	-727	-422	-773
New Mexico	-1,903	-470	-919	-429	-180	-1,120
New York	-4,424	-5,650	-5,731	-7,931	-8,569	-11,697
Ohio	-12,789	-19,356	-27,403	-31,408	-26,039	-36,194
Oklahoma	-19,358	-12,262	-7,283	-7,570	-12,648	-23,402
Oregon	9	-1,141	-1,143	-1,188	-1,968	0
Pennsylvania	-20,516	-28,003	-19,997	-33,256	-39,947	-58,295
Tennessee	-103	-102	-112	-134	0	0
Texas	-34,274	-4,692	-12,193	-20,397	-20,094	-27,224
Utah	-1,821	-3,970	-3,554	-3,497	-3,938	-3,543
Virginia	-204	-244	-322	-185	-296	-304
Washington	718	-1,825	-3,645	-313	-2,967	-3,938
West Virginia	-6,935	-16,431	-29,122	-28,626	-26,455	-26,087
Wyoming	-1,425	-2,614	-2,007	-2,807	-3,398	-1,332
AGA Regions						
Producing	-111,305	-36,017	-57,671	-73,822	-57,723	-97,929
Eastern Consuming	-120,349	-162,103	-191,819	-219,439	-223,109	-246,072
Western Consuming	-30,145	-25,888	-28,194	-23,795	-45,804	-46,550
Total	-261,799	-224,007	-277,684	-317,056	-326,636	-390,552

Notes: This table contains total net withdrawals for each State with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. Data through 1998 are final. All other data are preliminary at this time and are not considered final until publication of the *Natural Gas Annual* for that year. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by

region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

**Table 14. Activities of Underground Natural Gas Storage Operators, by State,
May 2000**

(Volumes in Million Cubic Feet)

State	Total Storage Capacity	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity	
		Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals
Alabama	3,280	1,190	1,202	2,392	219	22.2	232	142
Arkansas	24,191	8,715	4,384	13,099	-1,017	-18.8	713	15
California	388,370	246,825	153,827	400,652	10,022	7.0	13,405	2,438
Colorado	99,600	48,229	19,531	67,760	4,175	27.2	1,913	1,162
Illinois	898,565	675,778	84,301	760,079	-23,878	-22.1	17,320	4,025
Indiana	113,210	73,873	19,525	93,398	190	1.0	545	287
Iowa	273,200	196,700	11,704	208,404	-881	-7.0	5,424	1,025
Kansas	301,102	179,161	34,506	213,667	-20,525	-37.3	10,077	3,971
Kentucky	219,908	109,112	54,395	163,507	-23,179	-29.9	5,011	948
Louisiana	564,062	269,952	85,789	355,741	-103,127	-54.6	21,287	16,408
Maryland	62,000	46,677	7,212	53,890	-2,256	-23.8	2,681	200
Michigan	1,071,699	468,889	278,937	747,826	-38,033	-12.0	55,067	6,621
Minnesota	7,000	4,623	1,066	5,689	42	4.1	0	2
Mississippi	134,012	76,777	31,682	108,459	-6,917	-17.9	5,849	1,791
Missouri	31,274	21,600	9,276	30,876	-56	-0.6	48	23
Montana	371,510	167,349	27,725	195,074	-7,354	-21.0	1,192	1,714
Nebraska	39,469	31,126	1,868	32,994	1,594	580.8	321	244
New Mexico	96,600	29,766	9,529	39,295	2,272	31.3	1,660	1,192
New York	175,129	96,737	35,452	132,188	-8,724	-19.7	9,350	687
Ohio	575,384	349,638	55,551	405,189	-17,927	-24.4	29,740	831
Oklahoma	394,827	209,542	66,790	276,332	-46,931	-41.3	15,293	5,731
Oregon	11,623	6,834	2,232	9,066	859	62.6	870	1
Pennsylvania	684,842	352,642	161,088	513,730	-40,294	-20.0	56,420	3,517
Tennessee	1,200	340	371	711	53	16.7	0	0
Texas	684,226	250,147	179,477	429,624	-64,589	-26.5	23,486	20,595
Utah	121,980	64,595	18,992	83,587	1,233	6.9	5,813	282
Virginia	4,669	2,094	1,642	3,735	440	36.6	278	0
Washington	37,300	19,000	8,190	27,190	2,646	47.7	3,446	807
West Virginia	733,158	286,923	43,022	329,945	-36,749	-46.1	18,548	497
Wyoming	105,869	60,762	17,141	77,902	-1,450	-7.8	1,600	10
AGA Regions								
Producing	2,199,020	1,024,059	412,158	1,436,218	-240,835	-36.9	78,366	49,703
Eastern Consuming	4,886,987	2,713,319	765,546	3,478,865	-189,482	-19.8	200,984	19,049
Western Consuming	1,143,251	618,217	248,704	866,921	10,173	4.3	28,240	6,417
Total	8,229,259	4,355,595	1,426,409	5,782,004	-420,144	-22.8	307,589	75,168

Notes: Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. The American Gas Association (AGA) publishes weekly estimates of working

gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000
(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				April	March	February
Alabama	26,047	26,029	30,969	3,391	4,694	9,492
Alaska	7,236	8,282	6,724	1,233	1,764	1,885
Arizona	18,666	18,839	21,885	2,814	4,430	4,618
Arkansas	NA	23,199	24,436	NA	NA	NA
California	233,822	295,822	274,601	39,017	62,814	65,301
Colorado	NA	61,318	64,505	NA	NA	NA
Connecticut	23,442	22,589	20,320	3,216	5,018	7,692
Delaware	5,623	5,591	4,828	985	1,178	1,661
District of Columbia	8,633	8,817	8,026	1,232	1,691	3,013
Florida	7,214	6,499	7,738	1,140	1,631	2,360
Georgia	64,235	46,777	63,075	8,727	^R 11,080	^R 17,688
Hawaii	192	187	198	46	48	49
Idaho	9,792	9,855	8,814	1,663	2,210	2,602
Illinois	229,541	248,002	223,716	35,416	45,616	63,987
Indiana	NA	NA	82,084	12,785	NA	NA
Iowa	38,122	42,240	40,293	5,392	7,679	10,990
Kansas	40,520	NA	42,841	5,994	8,529	12,303
Kentucky	32,327	33,795	31,150	4,135	6,224	8,287
Louisiana	24,070	24,196	28,739	3,693	4,355	7,622
Maine	547	505	470	89	^R 123	133
Maryland	45,383	NA	38,640	6,430	8,673	14,316
Massachusetts	NA	NA	58,844	NA	NA	NA
Michigan	196,480	206,334	186,215	32,413	42,048	58,759
Minnesota	NA	66,392	60,119	9,700	12,806	NA
Mississippi	NA	NA	15,726	NA	2,481	4,931
Missouri	61,070	71,157	69,846	9,181	12,838	17,895
Montana	9,593	9,960	9,926	1,514	2,231	2,729
Nebraska	24,200	23,991	25,439	4,515	5,735	6,728
Nevada	NA	15,360	15,810	2,027	3,711	3,861
New Hampshire	4,083	3,946	3,609	641	938	1,274
New Jersey	NA	NA	111,321	NA	NA	NA
New Mexico	16,504	17,486	19,773	3,438	3,447	4,437
New York	NA	NA	187,453	NA	NA	NA
North Carolina	36,828	33,497	33,348	4,531	7,685	13,396
North Dakota	NA	6,187	5,775	929	1,323	1,698
Ohio	179,946	186,587	164,819	27,892	37,454	52,516
Oklahoma	34,847	39,031	43,325	5,193	7,170	11,476
Oregon	20,846	21,053	18,001	3,493	5,032	5,678
Pennsylvania	NA	141,917	124,761	NA	29,809	NA
Rhode Island	14,350	10,150	9,565	1,812	2,581	7,100
South Carolina	16,783	15,877	17,322	1,917	2,877	6,438
South Dakota	6,339	6,861	6,726	1,059	1,360	1,772
Tennessee	38,023	NA	38,100	4,625	6,488	12,515
Texas	119,772	96,168	118,016	14,250	17,287	31,342
Utah	25,116	26,637	27,979	2,967	6,792	7,038
Vermont	1,638	1,544	1,430	268	396	510
Virginia	42,780	40,829	37,169	5,637	8,520	13,778
Washington	NA	NA	36,250	NA	NA	NA
West Virginia	NA	NA	17,989	2,496	NA	NA
Wisconsin	68,349	69,441	63,725	11,182	13,084	18,644
Wyoming	5,995	6,141	6,859	1,227	1,441	1,666
Total	2,590,495	2,652,685	2,559,298	391,939	^R546,031	^R766,237

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	2000	1999				
	January	Total	December	November	October	September
Alabama	8,470	43,592	5,881	3,137	1,594	1,212
Alaska	2,354	17,634	2,466	2,127	1,423	870
Arizona	6,804	32,827	4,643	1,682	1,165	1,006
Arkansas	NA	NA	4,645	NA	1,238	980
California	66,689	568,355	65,661	34,480	25,260	24,491
Colorado	NA	113,871	15,043	8,328	5,670	3,035
Connecticut	7,516	38,023	4,781	3,046	1,513	1,061
Delaware	1,800	8,845	1,114	575	278	169
District of Columbia	2,698	NA	988	1,028	483	325
Florida	2,084	13,527	1,526	944	738	709
Georgia	^R 26,740	NA	^R 20,953	11,967	7,328	4,086
Hawaii	48	524	42	36	44	41
Idaho	3,317	17,870	2,508	1,526	867	436
Illinois	84,522	445,054	73,446	38,561	26,429	12,550
Indiana	^R 30,851	NA	22,815	11,612	7,298	3,249
Iowa	14,061	71,541	10,649	5,611	3,470	1,833
Kansas	13,693	NA	9,572	4,233	2,807	1,572
Kentucky	13,682	59,662	10,875	5,456	2,628	1,402
Louisiana	8,400	44,525	5,696	3,249	2,069	1,733
Maine	^R 202	962	151	95	69	29
Maryland	15,964	NA	10,623	6,241	3,525	1,951
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	63,259	349,334	47,305	29,664	18,342	7,838
Minnesota	NA	NA	NA	NA	7,112	3,367
Mississippi	5,121	NA	3,161	1,650	883	796
Missouri	21,157	112,803	14,561	6,894	4,181	2,748
Montana	3,119	19,684	2,842	1,983	1,342	636
Nebraska	7,223	40,412	5,117	2,727	2,131	792
Nevada	NA	28,924	4,420	2,008	1,214	958
New Hampshire	1,229	6,626	783	563	311	161
New Jersey	32,352	NA	NA	NA	NA	NA
New Mexico	5,183	^R 35,753	^R 6,304	4,107	2,293	1,029
New York	NA	NA	NA	NA	NA	NA
North Carolina	11,216	53,069	6,933	3,954	1,684	1,037
North Dakota	NA	NA	NA	960	662	301
Ohio	62,083	NA	46,581	27,730	17,320	6,865
Oklahoma	11,008	62,023	7,527	3,631	2,219	1,513
Oregon	6,643	37,974	5,309	3,060	1,592	921
Pennsylvania	48,155	240,754	34,006	19,778	11,580	5,776
Rhode Island	2,857	16,601	1,736	1,227	691	445
South Carolina	5,552	25,708	3,805	2,096	737	488
South Dakota	2,149	11,766	1,628	918	607	300
Tennessee	14,395	NA	6,612	4,257	1,936	1,526
Texas	56,893	167,593	21,575	10,810	6,857	5,848
Utah	8,319	55,474	9,614	5,321	3,567	2,285
Vermont	465	2,585	296	214	124	59
Virginia	14,846	NA	10,564	5,707	2,928	1,488
Washington	NA	NA	NA	NA	NA	NA
West Virginia	5,319	NA	NA	NA	1,349	688
Wisconsin	25,439	127,909	21,789	11,462	7,988	3,442
Wyoming	1,661	11,926	1,525	879	746	508
Total	^R 886,287	^R 4,691,463	^R 666,480	371,001	233,006	136,757

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

State	1999					
	August	July	June	May	April	March
Alabama	1,151	1,287	1,387	1,914	3,979	6,535
Alaska	481	486	559	939	1,315	2,075
Arizona	963	1,065	1,352	2,109	3,319	3,694
Arkansas	952	998	1,030	1,641	3,732	5,157
California	23,371	25,721	32,952	40,596	62,112	67,403
Colorado	2,802	3,145	4,769	9,761	10,816	13,735
Connecticut	853	1,060	1,242	1,879	3,623	5,780
Delaware	168	201	254	497	989	1,574
District of Columbia	315	NA	399	687	1,269	2,324
Florida	709	759	802	841	1,217	1,651
Georgia	2,389	2,246	1,525	NA	4,937	11,239
Hawaii	41	45	43	44	46	44
Idaho	359	428	645	1,244	1,875	2,257
Illinois	9,093	9,972	11,127	15,873	31,264	61,443
Indiana	2,775	2,810	3,467	5,926	NA	NA
Iowa	1,233	1,825	1,597	3,082	5,544	9,861
Kansas	1,696	1,556	2,170	3,603	6,284	NA
Kentucky	1,190	1,174	1,336	1,806	4,113	9,268
Louisiana	1,649	1,761	1,908	2,264	3,754	5,450
Maine	25	22	26	40	76	131
Maryland	1,733	NA	2,172	NA	6,125	NA
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	6,432	6,908	10,413	16,098	31,611	53,870
Minnesota	2,523	2,243	3,103	4,967	8,560	15,337
Mississippi	690	784	813	1,063	NA	3,299
Missouri	2,296	2,557	3,089	5,321	9,692	16,624
Montana	378	518	645	1,380	1,894	2,114
Nebraska	1,118	1,003	1,180	2,351	3,735	5,726
Nevada	926	945	1,240	1,853	2,718	3,349
New Hampshire	142	153	195	371	672	991
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	805	956	1,123	1,650	2,431	4,439
New York	NA	NA	NA	NA	NA	NA
North Carolina	924	1,118	1,316	2,605	5,341	9,456
North Dakota	197	232	266	627	984	1,318
Ohio	NA	6,624	7,972	12,577	26,862	51,348
Oklahoma	1,444	1,657	1,923	3,079	6,228	8,399
Oregon	811	839	1,635	2,754	3,888	5,047
Pennsylvania	4,808	5,112	6,518	11,260	21,700	37,498
Rhode Island	399	448	557	949	1,702	2,704
South Carolina	448	492	570	1,195	2,226	4,375
South Dakota	224	274	324	629	1,140	1,486
Tennessee	1,162	1,066	1,422	NA	NA	7,650
Texas	5,300	5,982	6,729	8,323	14,678	18,993
Utah	1,484	2,254	1,648	2,663	5,267	5,425
Vermont	57	56	77	159	284	377
Virginia	1,404	1,524	1,605	NA	5,135	11,359
Washington	NA	NA	NA	NA	NA	NA
West Virginia	NA	533	656	NA	NA	NA
Wisconsin	2,821	2,675	3,272	5,018	9,062	16,429
Wyoming	226	310	497	1,095	1,225	1,313
Total	116,994	127,422	153,857	233,261	416,086	657,969

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999		1998			
	February	January	Total	December	November	October
Alabama	6,297	9,218	46,544	4,447	2,468	1,320
Alaska	2,223	2,668	15,617	2,183	1,858	1,346
Arizona	5,415	6,411	36,100	4,666	2,008	1,136
Arkansas	5,260	9,049	38,190	4,550	2,668	1,109
California	77,973	88,334	549,931	68,831	40,200	26,159
Colorado	15,467	21,300	110,839	14,812	8,806	4,366
Connecticut	6,082	7,104	35,329	4,442	3,224	1,518
Delaware	1,469	1,560	7,755	895	571	231
District of Columbia	2,309	2,915	13,249	1,563	1,088	459
Florida	1,500	2,130	14,102	1,127	842	685
Georgia	13,564	17,037	107,398	15,049	9,441	4,325
Hawaii	48	49	535	44	40	39
Idaho	2,633	3,090	16,002	2,438	1,510	657
Illinois	61,466	93,829	409,812	63,990	43,853	21,536
Indiana	NA	32,227	140,122	20,031	13,541	6,497
Iowa	10,655	16,180	68,901	10,514	6,345	3,030
Kansas	NA	NA	70,217	8,767	5,820	2,322
Kentucky	8,782	11,632	55,545	9,289	6,112	2,220
Louisiana	5,871	9,121	47,574	4,987	2,703	1,785
Maine	133	165	910	132	95	62
Maryland	NA	14,660	68,057	9,224	6,485	2,863
Massachusetts	17,836	12,570	102,062	12,366	9,367	4,301
Michigan	52,118	68,735	319,701	42,328	29,671	15,956
Minnesota	17,086	25,409	110,449	18,639	12,193	5,319
Mississippi	3,016	5,463	24,847	2,556	1,524	805
Missouri	18,572	26,270	110,779	13,873	8,099	3,355
Montana	2,494	3,457	19,172	2,931	2,069	1,266
Nebraska	5,954	8,576	40,771	4,230	3,386	1,623
Nevada	4,332	4,962	30,023	4,335	2,526	1,367
New Hampshire	1,036	1,246	6,267	739	566	294
New Jersey	NA	NA	196,658	25,091	17,413	8,720
New Mexico	4,092	6,524	35,877	7,299	3,552	1,171
New York	NA	NA	339,512	41,937	30,010	15,308
North Carolina	7,485	11,215	50,786	5,735	4,062	1,217
North Dakota	1,565	2,320	10,092	1,427	1,016	475
Ohio	49,202	59,175	296,576	43,384	30,086	16,290
Oklahoma	9,446	14,958	66,521	7,513	4,245	1,743
Oregon	5,783	6,336	34,417	5,555	3,180	1,445
Pennsylvania	36,752	45,967	217,929	29,772	21,159	10,204
Rhode Island	2,662	3,083	16,461	1,883	1,408	645
South Carolina	3,588	5,687	25,430	2,818	1,726	575
South Dakota	1,719	2,516	11,646	1,669	1,157	533
Tennessee	8,927	14,795	59,386	8,043	4,397	1,447
Texas	22,662	39,835	199,454	28,302	12,931	7,323
Utah	7,725	8,220	56,843	9,846	5,820	4,472
Vermont	387	496	2,454	289	213	102
Virginia	11,272	13,064	63,186	9,067	6,203	2,499
Washington	NA	NA	61,936	7,989	4,731	2,427
West Virginia	4,946	6,230	29,664	3,974	2,791	1,300
Wisconsin	17,018	26,931	115,946	18,710	11,701	6,381
Wyoming	1,674	1,929	12,702	1,636	1,214	773
Total	679,258	899,373	4,520,276	615,913	398,094	202,996

^R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and

revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000

(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				April	March	February
Alabama	12,412	12,637	14,603	1,989	2,485	4,156
Alaska	8,812	11,377	10,786	1,688	2,242	2,070
Arizona	13,886	13,653	14,226	2,877	3,496	3,414
Arkansas	NA	14,934	15,266	NA	NA	NA
California	92,650	112,966	92,583	19,106	23,659	23,459
Colorado	NA	NA	32,806	NA	NA	NA
Connecticut	21,826	22,187	20,506	3,783	5,601	7,072
Delaware	2,771	3,617	3,175	502	453	874
District of Columbia	8,375	9,344	8,766	1,717	2,045	2,274
Florida	18,659	15,154	15,247	4,240	4,580	4,816
Georgia	22,419	21,726	28,875	3,152	^R 3,971	^R 6,448
Hawaii	598	599	604	146	150	149
Idaho	6,484	6,575	6,023	1,120	1,486	1,722
Illinois	96,796	100,319	91,646	15,383	19,454	27,375
Indiana	NA	NA	39,040	6,486	NA	NA
Iowa	22,115	25,007	23,917	3,336	4,411	6,245
Kansas	31,330	NA	24,150	5,658	7,180	8,706
Kentucky	19,534	19,197	17,231	2,569	3,778	6,411
Louisiana	9,344	11,026	11,766	1,821	1,923	2,796
Maine	NA	1,351	1,269	104	NA	341
Maryland	26,098	NA	27,266	5,006	6,603	8,382
Massachusetts	NA	NA	48,908	NA	NA	NA
Michigan	95,147	97,332	87,891	16,304	21,785	26,708
Minnesota	NA	47,059	42,268	7,529	9,700	12,925
Mississippi	NA	NA	10,405	NA	1,889	3,051
Missouri	32,961	36,008	35,198	4,659	7,275	10,534
Montana	6,666	6,100	6,494	1,124	1,540	1,850
Nebraska	14,336	15,835	16,228	2,418	3,288	4,106
Nevada	10,308	9,737	10,581	1,975	2,632	2,517
New Hampshire	NA	4,066	3,682	728	NA	1,270
New Jersey	NA	NA	71,373	NA	NA	NA
New Mexico	11,720	14,527	13,829	1,576	3,042	3,255
New York	NA	NA	156,740	NA	NA	NA
North Carolina	22,071	20,374	19,913	2,972	4,856	7,698
North Dakota	NA	5,802	5,398	1,069	1,191	1,541
Ohio	97,327	94,631	86,319	15,017	22,401	28,924
Oklahoma	17,664	21,977	24,945	2,895	3,866	5,725
Oregon	14,070	14,612	12,397	2,372	3,466	3,833
Pennsylvania	77,876	76,702	69,170	12,866	16,714	23,431
Rhode Island	7,035	6,395	6,118	1,321	1,539	2,137
South Carolina	9,828	9,470	9,844	1,644	2,047	3,190
South Dakota	5,045	5,280	5,047	716	1,344	1,367
Tennessee	27,634	27,995	27,423	3,885	4,643	8,850
Texas	79,110	80,703	68,112	14,437	16,026	21,581
Utah	14,392	14,766	15,347	1,990	3,890	3,901
Vermont	1,417	1,344	1,585	227	337	428
Virginia	30,290	29,984	29,399	5,279	6,571	9,058
Washington	NA	NA	23,760	NA	NA	NA
West Virginia	13,333	13,099	12,156	2,192	^R 3,372	^R 3,862
Wisconsin	41,336	46,379	40,520	6,681	8,525	11,346
Wyoming	4,834	4,529	5,164	889	1,439	1,173
Total	1,501,458	1,512,847	1,465,964	256,986	^R360,192	^R423,277

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	2000	1999				
	January	Total	December	November	October	September
Alabama	3,783	28,887	3,372	2,598	2,176	1,711
Alaska	2,812	27,122	3,432	2,998	2,185	1,520
Arizona	4,098	31,242	3,448	2,220	1,910	1,809
Arkansas	NA	NA	1,176	NA	NA	NA
California	26,427	262,681	22,066	18,795	15,657	16,411
Colorado	NA	NA	7,790	4,949	NA	2,616
Connecticut	5,370	47,328	5,281	3,890	2,641	2,550
Delaware	942	6,029	635	388	305	179
District of Columbia	2,340	NA	745	1,301	896	862
Florida	5,023	36,308	3,360	2,920	2,344	2,413
Georgia	^R 8,848	NA	^R 6,831	4,055	2,367	1,400
Hawaii	153	1,749	147	145	144	144
Idaho	2,156	12,624	1,668	1,029	676	459
Illinois	34,585	187,862	26,945	15,072	11,908	6,919
Indiana	NA	NA	NA	NA	4,464	2,796
Iowa	8,123	44,813	6,400	3,271	2,575	1,626
Kansas	9,786	NA	4,675	2,480	2,000	1,792
Kentucky	6,775	36,008	5,357	2,931	1,860	1,189
Louisiana	2,804	23,724	2,098	1,939	1,327	1,315
Maine	^R 522	2,576	353	247	186	78
Maryland	6,107	NA	7,058	4,901	3,672	2,663
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	30,349	175,362	22,733	14,306	9,440	5,870
Minnesota	NA	89,025	12,542	7,993	5,737	3,175
Mississippi	4,032	NA	2,405	1,686	1,079	1,047
Missouri	10,494	63,897	7,760	3,964	2,805	2,423
Montana	2,152	11,931	1,576	1,101	733	426
Nebraska	4,524	28,000	3,012	1,787	1,156	1,067
Nevada	3,184	22,448	2,671	1,768	1,403	1,268
New Hampshire	1,317	NA	901	616	384	221
New Jersey	25,628	NA	NA	NA	NA	NA
New Mexico	3,847	^R 29,816	^R 3,809	2,380	1,648	1,399
New York	NA	NA	NA	NA	NA	NA
North Carolina	6,545	38,899	4,516	2,935	2,132	1,842
North Dakota	NA	NA	NA	913	635	338
Ohio	30,984	NA	22,376	14,754	9,003	4,789
Oklahoma	5,179	38,315	3,488	2,622	2,100	1,552
Oregon	4,399	28,340	3,269	2,256	1,486	1,092
Pennsylvania	24,866	143,660	19,024	13,226	8,541	5,168
Rhode Island	2,037	11,838	1,019	1,309	651	454
South Carolina	2,948	20,602	2,409	1,676	1,251	1,144
South Dakota	1,617	9,578	1,228	736	522	301
Tennessee	10,255	^R 53,012	5,515	3,988	3,225	^R 2,562
Texas	27,066	187,948	19,076	15,141	11,359	11,568
Utah	4,611	30,361	4,901	2,725	1,873	1,257
Vermont	425	2,409	258	209	143	81
Virginia	9,381	59,723	7,458	5,005	3,541	2,617
Washington	NA	NA	NA	NA	NA	NA
West Virginia	3,907	NA	NA	2,474	1,960	1,239
Wisconsin	14,784	^R 85,930	12,700	7,385	5,823	^R 2,644
Wyoming	1,334	9,262	1,166	776	678	332
Total	^R461,004	^R3,055,930	^R360,689	254,500	187,597	^R143,038

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

State	1999					
	August	July	June	May	April	March
Alabama	1,635	1,626	1,628	1,505	2,190	3,240
Alaska	1,311	1,213	1,326	1,759	1,962	3,009
Arizona	1,683	1,846	2,155	2,519	2,994	3,173
Arkansas	1,520	1,303	NA	NA	2,508	3,392
California	20,556	17,100	17,228	21,902	22,672	29,559
Colorado	NA	2,630	3,359	5,544	NA	7,598
Connecticut	2,449	2,535	2,591	3,204	3,724	5,831
Delaware	159	182	215	350	637	998
District of Columbia	840	NA	940	1,249	1,976	2,334
Florida	2,257	2,280	2,785	2,793	3,408	3,962
Georgia	1,332	1,333	1,477	NA	2,968	5,657
Hawaii	140	144	143	143	147	142
Idaho	420	425	520	852	1,233	1,532
Illinois	6,187	6,218	5,979	8,316	14,051	24,495
Indiana	2,399	1,873	2,886	3,440	6,850	NA
Iowa	1,246	1,520	1,406	1,762	3,777	6,196
Kansas	1,958	1,687	1,504	2,018	3,336	NA
Kentucky	1,552	1,014	1,218	1,690	2,570	5,149
Louisiana	1,484	1,416	1,493	1,625	2,087	2,520
Maine	74	75	90	122	199	357
Maryland	2,495	2,557	2,710	NA	5,678	NA
Massachusetts	NA	NA	4,936	5,322	9,335	10,580
Michigan	4,984	5,465	6,183	9,050	14,920	25,952
Minnesota	2,956	2,645	2,860	4,058	6,911	11,125
Mississippi	1,063	1,054	1,078	1,204	NA	2,676
Missouri	2,080	3,128	2,471	3,258	5,235	8,535
Montana	346	423	492	734	1,153	1,308
Nebraska	772	1,074	1,123	2,174	2,308	3,484
Nevada	1,247	1,249	1,400	1,703	1,977	2,372
New Hampshire	204	212	221	NA	658	1,026
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	1,295	1,149	1,302	2,306	2,404	3,324
New York	NA	NA	NA	NA	NA	NA
North Carolina	1,595	1,586	1,698	2,221	3,583	5,572
North Dakota	262	279	286	623	909	1,253
Ohio	NA	4,701	5,540	7,871	15,260	24,202
Oklahoma	1,677	1,697	938	2,265	3,813	4,620
Oregon	983	1,128	1,462	2,053	2,699	3,462
Pennsylvania	4,672	4,536	5,041	6,751	12,734	20,162
Rhode Island	334	501	526	650	1,085	1,731
South Carolina	1,073	1,127	1,109	1,343	1,725	2,552
South Dakota	267	313	438	493	914	1,149
Tennessee	2,265	2,287	^R 2,573	2,601	^R 4,448	6,378
Texas	12,805	12,486	12,020	12,790	15,844	17,651
Utah	902	1,090	989	1,858	2,920	3,068
Vermont	77	66	91	140	227	334
Virginia	2,671	2,613	2,584	3,250	5,242	7,620
Washington	NA	NA	NA	NA	NA	NA
West Virginia	1,359	1,235	1,346	1,524	2,253	3,496
Wisconsin	^R 2,469	^R 2,219	2,948	3,362	6,980	11,437
Wyoming	174	315	448	844	941	1,070
Total	^R139,629	^R136,316	^R141,728	179,585	^R259,842	378,167

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999		1998			
	February	January	Total	December	November	October
Alabama	3,145	4,063	25,707	2,414	1,716	1,248
Alaska	3,088	3,318	27,079	3,372	2,668	2,318
Arizona	3,587	3,899	31,940	3,388	2,352	1,900
Arkansas	3,510	5,524	28,063	3,169	1,999	1,359
California	28,130	32,605	284,885	31,538	26,959	23,016
Colorado	8,919	11,360	63,145	7,432	4,973	3,321
Connecticut	6,038	6,594	42,410	4,986	3,251	2,678
Delaware	944	1,038	5,592	629	448	243
District of Columbia	2,549	2,486	16,866	1,480	1,205	879
Florida	3,747	4,038	37,743	3,320	2,818	2,603
Georgia	5,897	7,205	55,431	5,531	4,094	3,045
Hawaii	158	153	1,747	151	143	132
Idaho	1,734	2,076	11,712	1,640	1,045	577
Illinois	26,217	35,555	174,747	24,727	17,109	9,948
Indiana	12,336	16,862	73,184	9,557	7,058	4,311
Iowa	6,154	8,881	43,028	6,006	4,261	2,402
Kansas	NA	NA	41,788	4,591	3,019	1,588
Kentucky	4,979	6,499	32,468	4,714	3,198	1,601
Louisiana	2,729	3,691	24,049	2,224	1,707	1,352
Maine	341	454	2,456	337	247	165
Maryland	NA	9,013	57,432	6,433	4,928	3,287
Massachusetts	NA	6,662	90,099	6,635	7,440	5,698
Michigan	25,441	31,020	163,400	20,671	15,174	8,608
Minnesota	12,637	16,386	82,377	12,652	8,896	5,356
Mississippi	2,196	NA	21,360	2,075	1,512	1,155
Missouri	9,736	12,503	62,000	7,177	4,415	2,389
Montana	1,542	2,096	12,961	1,925	1,340	845
Nebraska	4,246	5,797	28,911	3,934	2,218	1,036
Nevada	2,486	2,903	23,347	2,565	1,855	1,307
New Hampshire	1,070	1,312	6,808	810	612	371
New Jersey	NA	NA	146,654	18,767	12,883	8,677
New Mexico	3,748	5,051	27,395	4,125	2,233	1,249
New York	NA	NA	335,800	34,796	27,494	20,887
North Carolina	4,826	6,392	36,427	3,847	2,741	1,767
North Dakota	1,558	2,083	10,085	1,362	1,020	547
Ohio	26,668	28,502	157,061	21,929	14,894	6,706
Oklahoma	5,679	7,865	43,910	5,463	2,771	1,644
Oregon	3,897	4,554	26,024	3,619	2,681	1,291
Pennsylvania	21,547	22,259	131,036	16,940	12,808	7,032
Rhode Island	1,686	1,892	11,482	1,338	1,019	628
South Carolina	2,236	2,957	19,829	1,926	1,531	1,156
South Dakota	1,343	1,873	9,265	1,305	913	363
Tennessee	6,629	^R 10,540	52,406	5,924	4,053	2,520
Texas	19,696	27,511	169,613	19,965	14,533	10,107
Utah	4,198	4,580	31,091	4,934	3,202	2,083
Vermont	321	462	2,979	401	276	165
Virginia	8,070	9,051	58,318	7,186	5,334	3,287
Washington	NA	NA	45,673	5,595	3,442	2,102
West Virginia	3,389	3,961	24,991	2,963	2,345	1,579
Wisconsin	11,592	16,370	81,375	11,803	8,411	4,360
Wyoming	1,166	1,352	10,423	1,822	927	493
Total	393,447	^R481,390	3,004,570	362,095	264,170	173,381

^R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual

total but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000

(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				April	March	February
Alabama	70,698	69,737	69,614	16,866	18,233	17,653
Alaska	27,533	25,391	25,843	6,766	7,192	6,390
Arizona	7,544	9,434	9,434	1,213	2,173	2,076
Arkansas	56,132	48,944	49,591	13,652	13,754	13,844
California	350,856	261,306	244,081	82,233	86,700	86,174
Colorado	NA	25,525	33,531	NA	NA	7,444
Connecticut	13,388	11,237	12,578	2,851	3,619	3,437
Delaware	9,944	7,485	5,989	2,561	2,675	2,254
District of Columbia	0	0	0	0	0	0
Florida	48,557	46,815	42,874	12,521	12,666	11,187
Georgia	16,800	46,093	61,142	3,678	^R 4,028	^R 4,494
Hawaii	180	142	0	44	46	45
Idaho ^a	11,603	12,264	13,018	2,681	2,904	2,883
Illinois	120,165	118,563	116,943	24,982	29,119	31,511
Indiana	116,348	NA	103,072	25,123	^R 28,207	^R 29,449
Iowa	37,275	41,063	39,272	8,386	8,914	9,865
Kansas	37,419	NA	34,664	8,715	9,141	9,069
Kentucky	35,841	34,403	34,249	8,372	8,359	9,248
Louisiana	348,093	320,210	307,786	80,467	87,213	85,238
Maine	1,334	747	757	335	^R 315	^R 356
Maryland	13,105	14,093	12,857	3,533	3,956	3,448
Massachusetts	NA	NA	44,569	NA	NA	NA
Michigan	121,863	108,131	117,114	28,316	31,364	30,858
Minnesota	38,796	40,209	38,826	8,500	8,894	^R 10,977
Mississippi	NA	NA	28,540	NA	7,193	6,812
Missouri	25,591	NA	25,941	5,468	6,620	6,938
Montana	8,960	9,490	7,965	2,040	2,223	2,555
Nebraska	13,094	13,719	16,572	3,084	^R 3,253	3,272
Nevada	12,512	11,141	8,173	3,906	2,904	2,878
New Hampshire	NA	2,093	1,993	446	NA	^R 421
New Jersey	NA	NA	76,323	NA	NA	NA
New Mexico	9,964	NA	8,031	3,173	2,701	1,929
New York	NA	NA	100,331	NA	NA	28,916
North Carolina	43,953	39,314	38,555	9,329	11,298	10,971
North Dakota	5,514	7,794	7,243	1,918	1,242	1,186
Ohio	127,173	125,828	128,731	28,145	30,732	32,879
Oklahoma	48,865	59,548	66,290	11,736	11,505	12,730
Oregon	38,064	36,492	34,411	9,181	9,176	9,451
Pennsylvania	97,411	89,955	85,098	22,194	25,628	25,178
Rhode Island	11,947	11,875	13,596	2,579	2,490	3,105
South Carolina	35,970	35,091	35,002	9,128	9,720	8,630
South Dakota	1,746	1,893	1,878	391	410	474
Tennessee	52,968	50,685	52,320	12,774	12,525	13,886
Texas	597,296	625,764	639,085	174,529	136,980	164,715
Utah	14,906	14,580	17,620	3,614	3,861	3,661
Vermont	1,300	1,076	785	353	350	357
Virginia	NA	27,841	28,436	NA	7,136	9,755
Washington	NA	NA	49,512	NA	NA	NA
West Virginia	14,634	NA	18,616	3,484	^R 2,884	^R 4,016
Wisconsin	61,923	58,561	56,957	13,077	14,675	16,048
Wyoming	NA	NA	20,518	4,899	4,339	5,520
Total	3,116,645	2,918,139	2,986,327	756,999	^R770,471	^R799,748

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	2000	1999				
	January	Total	December	November	October	September
Alabama	17,947	204,829	18,152	17,655	17,404	16,497
Alaska	7,185	74,491	6,917	6,876	6,613	4,738
Arizona	2,081	^R 26,661	2,231	1,903	1,910	2,160
Arkansas	14,883	NA	15,108	12,718	13,130	12,362
California	95,749	944,597	78,551	87,915	104,100	98,766
Colorado	NA	NA	7,109	7,020	5,262	5,761
Connecticut	3,481	31,800	3,499	3,143	2,637	2,283
Delaware	2,455	^R 21,336	2,324	1,787	1,878	1,798
District of Columbia	0	0	0	0	0	0
Florida	12,183	142,104	11,513	11,472	12,236	11,153
Georgia	^R 4,600	^R 91,150	^R 4,252	^R 5,497	^R 5,059	^R 6,271
Hawaii	44	463	42	42	39	39
Idaho ^a	3,135	33,831	3,033	2,821	2,941	2,735
Illinois	34,552	309,467	31,510	26,906	24,758	22,294
Indiana	^R 33,569	NA	30,100	25,974	24,586	23,198
Iowa	10,110	103,860	8,319	8,799	8,267	7,486
Kansas	10,494	NA	8,872	6,513	5,881	8,069
Kentucky	9,863	92,683	8,792	8,290	7,899	6,954
Louisiana	95,174	969,981	87,508	82,412	83,388	75,786
Maine	^R 327	2,507	281	219	279	190
Maryland	2,168	^R 40,980	3,803	^R 3,491	3,333	3,328
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	31,324	285,977	28,881	26,811	21,628	19,077
Minnesota	^R 10,425	NA	NA	8,081	7,735	7,064
Mississippi	6,248	NA	7,625	7,206	6,962	6,310
Missouri	6,565	NA	7,471	6,425	4,991	4,689
Montana	2,142	23,091	2,327	2,039	1,649	1,305
Nebraska	3,485	40,990	2,542	2,490	3,600	3,992
Nevada	2,824	33,250	3,204	2,651	2,826	2,795
New Hampshire	^R 453	5,787	413	376	571	471
New Jersey	25,739	NA	NA	NA	NA	NA
New Mexico	2,161	NA	3,469	3,257	NA	NA
New York	24,539	NA	25,997	26,228	22,097	22,229
North Carolina	12,354	115,427	11,492	10,003	8,709	8,712
North Dakota	1,169	NA	NA	1,424	1,201	1,295
Ohio	35,417	NA	31,330	28,638	27,088	24,938
Oklahoma	12,894	172,363	13,782	13,524	12,642	15,620
Oregon	10,256	108,081	10,604	10,619	9,406	8,301
Pennsylvania	24,411	242,580	22,035	20,585	19,248	18,426
Rhode Island	3,774	34,857	3,447	2,922	2,322	2,535
South Carolina	8,493	^R 101,777	9,401	9,184	9,005	7,996
South Dakota	471	5,036	442	445	466	305
Tennessee	13,783	151,339	12,231	11,791	14,210	14,597
Texas	121,072	NA	139,558	164,006	160,531	182,830
Utah	3,771	40,988	3,853	3,628	3,582	3,192
Vermont	240	2,819	327	273	261	183
Virginia	7,257	95,232	9,027	5,865	6,033	8,336
Washington	NA	NA	NA	NA	NA	NA
West Virginia	4,249	NA	NA	NA	3,458	3,220
Wisconsin	18,124	147,543	15,331	12,721	12,469	10,307
Wyoming	NA	NA	3,052	3,603	2,580	3,945
Total	^R789,428	^R8,633,966	^R763,259	^R756,605	^R747,358	^R739,515

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	August	July	June	May	April	March
Alabama	16,973	16,525	15,938	15,947	17,042	19,174
Alaska	4,784	6,932	5,923	6,318	6,244	6,717
Arizona	2,276	^R 2,402	1,956	2,390	2,545	2,237
Arkansas	12,415	10,987	NA	11,429	11,732	12,582
California	94,185	82,007	68,105	69,662	61,776	57,968
Colorado	5,730	NA	5,605	6,202	7,672	6,272
Connecticut	2,308	2,221	2,055	2,419	2,504	2,790
Delaware	^R 1,385	^R 1,431	1,459	1,789	1,767	1,952
District of Columbia	0	0	0	0	0	0
Florida	12,870	12,478	11,739	11,827	12,512	12,603
Georgia	^R 4,185	^R 5,511	7,177	^R 7,106	^R 7,479	13,140
Hawaii	41	40	43	35	38	39
Idaho ^a	2,173	2,450	2,528	2,885	3,167	3,214
Illinois	21,598	21,500	21,056	21,281	25,516	29,721
Indiana	22,844	22,039	21,508	NA	NA	NA
Iowa	7,425	7,195	6,980	8,326	10,104	9,569
Kansas	10,994	9,275	7,751	NA	8,130	8,482
Kentucky	6,321	6,402	6,535	7,087	7,610	9,289
Louisiana	78,575	80,375	80,334	81,391	79,477	82,222
Maine	210	191	184	207	161	189
Maryland	3,525	3,338	2,887	3,183	3,243	^R 4,506
Massachusetts	9,414	NA	NA	8,740	NA	NA
Michigan	18,271	19,911	20,416	22,851	24,820	28,068
Minnesota	9,164	7,598	7,397	7,457	8,485	9,697
Mississippi	6,287	6,669	6,807	7,007	NA	7,375
Missouri	4,815	4,751	4,801	4,615	5,395	5,127
Montana	1,326	1,293	1,694	1,968	2,120	2,174
Nebraska	3,949	5,432	2,700	2,565	3,051	3,098
Nevada	2,745	2,504	2,573	2,811	2,635	2,816
New Hampshire	478	442	457	486	578	505
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	NA	3,371	3,279	3,606	NA	3,355
New York	NA	NA	NA	NA	NA	NA
North Carolina	10,082	9,288	8,970	8,857	8,867	10,885
North Dakota	1,130	1,155	1,266	1,351	1,479	2,037
Ohio	NA	23,427	23,595	25,248	28,808	32,257
Oklahoma	13,952	14,254	15,192	13,847	16,094	14,338
Oregon	8,574	8,008	7,861	8,216	8,923	9,571
Pennsylvania	18,582	17,497	17,687	18,565	20,802	23,245
Rhode Island	2,496	2,969	2,948	3,343	2,996	2,528
South Carolina	7,948	7,342	7,708	8,102	^R 8,438	9,614
South Dakota	437	419	282	347	446	439
Tennessee	11,737	12,826	11,262	12,000	11,647	12,570
Texas	142,569	120,019	142,830	NA	136,782	144,116
Utah	3,180	3,200	2,351	3,422	3,809	3,718
Vermont	176	174	157	192	243	301
Virginia	11,139	10,441	8,708	7,843	8,449	7,524
Washington	NA	NA	NA	NA	NA	NA
West Virginia	3,367	3,135	NA	3,225	NA	NA
Wisconsin	9,595	9,235	9,243	10,081	12,061	14,729
Wyoming	2,546	2,697	2,051	2,069	2,718	3,036
Total	^R 700,357	^R 661,051	664,277	^R 683,405	^R 679,305	^R 723,317

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999		1998			
	February	January	Total	December	November	October
Alabama	16,360	17,161	200,305	16,372	15,972	16,540
Alaska	5,805	6,626	75,947	6,439	6,255	6,289
Arizona	2,291	2,360	28,157	2,605	2,381	2,518
Arkansas	11,561	13,069	147,313	12,537	11,482	11,877
California	71,293	70,270	827,401	74,100	67,304	77,426
Colorado	6,951	4,630	87,238	8,462	6,859	6,020
Connecticut	2,957	2,985	32,498	2,838	2,656	2,647
Delaware	1,878	1,887	16,287	1,529	1,421	1,416
District of Columbia	0	0	0	0	0	0
Florida	10,480	11,219	126,891	10,374	10,704	10,000
Georgia	12,545	12,929	164,501	13,256	13,475	12,265
Hawaii	33	32	373	373	0	0
Idaho ^a	3,081	2,802	34,303	2,635	2,803	2,715
Illinois	29,436	33,890	303,668	28,912	27,909	25,306
Indiana	26,942	NA	290,973	28,353	24,767	24,269
Iowa	9,554	11,836	105,950	9,261	9,761	9,239
Kansas	7,588	NA	111,143	8,731	10,061	9,356
Kentucky	8,179	9,326	93,217	8,502	8,232	7,864
Louisiana	73,872	84,638	922,155	87,893	66,701	77,953
Maine	104	293	2,297	204	222	227
Maryland	3,261	^R 3,083	38,531	3,564	3,041	3,714
Massachusetts	8,643	8,763	125,286	12,200	10,887	10,111
Michigan	26,451	28,793	282,036	25,198	23,921	21,034
Minnesota	11,186	10,841	104,610	9,322	8,941	9,052
Mississippi	6,541	NA	78,640	6,811	6,335	6,353
Missouri	NA	6,562	64,868	5,988	4,728	5,145
Montana	2,554	2,642	21,416	2,260	1,976	1,732
Nebraska	3,330	4,240	53,053	3,124	3,724	3,475
Nevada	2,674	3,016	28,662	3,003	2,747	2,848
New Hampshire	484	526	5,878	484	531	555
New Jersey	NA	NA	204,791	18,623	16,241	15,186
New Mexico	3,047	NA	25,048	2,239	2,108	2,250
New York	NA	NA	251,591	16,736	18,774	16,275
North Carolina	9,561	10,001	106,497	8,862	8,835	8,618
North Dakota	2,844	1,434	20,606	1,898	1,770	1,176
Ohio	31,603	33,159	332,955	31,327	27,938	27,071
Oklahoma	14,323	14,794	198,110	13,058	13,327	18,083
Oregon	8,595	9,403	102,770	9,258	8,889	9,230
Pennsylvania	23,747	22,161	231,362	21,244	19,127	18,138
Rhode Island	2,930	3,421	42,278	3,480	3,666	3,832
South Carolina	8,225	8,813	102,324	8,973	8,931	8,668
South Dakota	463	545	5,607	572	553	322
Tennessee	12,922	13,545	145,773	14,316	12,701	12,852
Texas	159,127	185,739	2,023,278	209,528	187,395	168,879
Utah	3,350	3,703	45,501	3,839	3,546	3,444
Vermont	312	220	2,105	202	181	179
Virginia	6,431	5,437	92,801	7,567	7,937	8,992
Washington	NA	NA	133,106	11,961	12,639	6,931
West Virginia	3,460	3,865	49,807	4,143	3,909	3,927
Wisconsin	14,428	17,342	141,980	14,896	13,275	11,457
Wyoming	NA	3,310	54,259	4,642	4,428	4,172
Total	725,412	^R790,106	8,686,147	802,693	731,965	717,629

^a Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components.

^R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1998-2000
(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				April	March	February
Alabama	3,087	3,301	1,197	1,399	237	434
Alaska	11,736	10,137	9,842	2,683	2,904	2,782
Arizona	13,423	10,760	3,608	3,963	2,670	3,126
Arkansas	11,145	6,610	4,325	3,255	3,810	3,374
California	29,262	64,288	86,434	5,474	8,102	7,506
Colorado	7,392	4,346	1,816	1,176	2,021	2,227
Connecticut	2,390	238	1,425	598	598	597
Delaware	1,828	4,430	1,352	485	315	381
District of Columbia	0	0	0	0	0	0
Florida	107,622	76,128	68,564	27,834	29,230	24,232
Georgia	525	3,314	349	240	153	67
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	489	12,194	16,253	112	82	78
Indiana	1,280	1,429	902	298	158	310
Iowa	960	840	974	237	215	232
Kansas	6,100	8,330	2,413	2,053	1,150	1,465
Kentucky	906	807	613	116	107	161
Louisiana	75,121	86,768	59,278	19,341	20,829	14,276
Maine	0	0	0	0	0	0
Maryland	3,803	2,245	1,158	1,964	1,062	259
Massachusetts	1,017	1,235	6,686	455	304	160
Michigan	13,262	14,699	13,016	3,216	2,554	3,418
Minnesota	1,000	1,435	688	281	209	190
Mississippi	27,303	24,962	14,181	6,027	5,942	6,190
Missouri	5,277	2,990	585	1,516	1,045	1,232
Montana	38	72	55	0	8	5
Nebraska	472	532	288	175	73	113
Nevada	18,493	17,462	13,761	4,783	4,700	3,848
New Hampshire	778	49	26	187	413	57
New Jersey	3,916	2,723	4,029	1,970	963	533
New Mexico	12,873	10,915	10,255	3,383	3,539	3,027
New York	30,738	43,603	46,505	9,055	9,157	6,938
North Carolina	201	544	115	27	37	54
North Dakota	0	0	0	0	0	0
Ohio	1,984	2,685	696	610	667	253
Oklahoma	40,486	43,794	28,858	14,117	10,675	6,783
Oregon	9,272	3,778	6,170	562	2,610	2,942
Pennsylvania	1,135	970	1,149	271	268	221
Rhode Island	0	0	7,704	0	0	0
South Carolina	145	193	186	68	27	15
South Dakota	180	760	144	27	56	15
Tennessee	435	142	0	9	18	117
Texas	318,662	302,191	266,395	93,056	86,800	65,922
Utah	2,059	1,626	668	712	645	327
Vermont	104	16	120	62	14	23
Virginia	6,623	7,532	3,223	1,498	1,947	1,327
Washington	479	580	771	80	1	69
West Virginia	103	115	100	24	33	32
Wisconsin	3,376	2,331	2,270	838	707	1,088
Wyoming	39	40	218	6	9	13
Total	777,524	784,138	689,365	214,242	207,068	166,419

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

State	2000	1999				
	January	Total	December	November	October	September
Alabama	^R 1,017	20,897	674	889	557	1,865
Alaska	^R 3,367	30,554	3,390	2,841	2,634	2,217
Arizona	^R 3,665	50,876	3,284	3,338	6,403	4,701
Arkansas	^R 706	40,059	1,981	2,043	1,589	3,113
California	^R 8,180	144,796	7,169	7,498	14,585	9,518
Colorado	^R 1,968	19,149	1,165	1,110	1,823	934
Connecticut	^R 597	13,086	547	1,161	1,321	1,661
Delaware	^R 646	19,873	498	337	1,352	1,570
District of Columbia	0	0	0	0	0	0
Florida	^R 26,327	319,351	24,990	25,442	30,918	34,373
Georgia	65	20,507	174	456	692	1,933
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	^R 218	40,700	828	1,837	1,617	1,740
Indiana	^R 514	7,648	245	157	142	312
Iowa	^R 275	5,245	241	313	304	429
Kansas	^R 1,432	35,857	1,050	737	1,127	1,948
Kentucky	^R 523	5,585	223	262	188	463
Louisiana	^R 20,676	320,367	17,337	16,697	21,366	32,452
Maine	0	0	0	0	0	0
Maryland	^R 517	16,382	409	346	1,338	1,101
Massachusetts	^R 98	8,136	107	396	359	816
Michigan	^R 4,073	51,136	3,070	3,199	3,869	3,701
Minnesota	^R 320	6,590	149	253	106	208
Mississippi	^R 9,144	101,613	8,922	5,720	6,731	7,527
Missouri	^R 1,484	19,400	580	451	520	1,147
Montana	25	289	10	14	7	8
Nebraska	^R 111	4,548	49	101	134	235
Nevada	^R 5,162	65,131	6,052	4,562	5,621	6,449
New Hampshire	121	572	134	22	0	161
New Jersey	^R 450	32,615	1,066	1,105	1,280	3,190
New Mexico	^R 2,923	35,594	2,683	2,186	3,056	3,403
New York	^R 5,589	181,817	9,010	11,261	11,999	14,135
North Carolina	^R 83	10,562	17	50	104	625
North Dakota	0	0	0	0	0	0
Ohio	^R 454	11,097	425	179	345	541
Oklahoma	^R 8,911	169,826	9,305	8,187	10,785	13,928
Oregon	^R 3,157	23,309	2,385	2,968	4,558	3,119
Pennsylvania	^R 375	10,363	428	265	454	567
Rhode Island	0	0	0	0	0	0
South Carolina	35	5,107	48	77	17	165
South Dakota	82	2,526	94	23	69	79
Tennessee	^R 291	3,453	29	32	0	174
Texas	^R 72,884	1,207,294	64,468	63,476	96,700	117,677
Utah	^R 375	6,481	524	398	1,121	495
Vermont	5	249	3	3	1	91
Virginia	^R 1,850	23,459	1,106	928	651	1,701
Washington	^R 329	6,700	258	468	3,032	1,276
West Virginia	15	386	42	37	46	23
Wisconsin	^R 743	14,068	688	572	475	862
Wyoming	11	167	15	10	8	7
Total	^R189,794	3,113,420	175,870	172,408	240,002	282,642

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

State	1999					
	August	July	June	May	April	March
Alabama	5,662	4,716	1,941	1,293	1,252	929
Alaska	2,278	2,547	2,202	2,307	2,300	2,522
Arizona	6,665	6,135	5,297	4,293	4,500	2,023
Arkansas	7,960	7,124	5,631	4,008	2,597	2,050
California	12,208	11,705	9,170	8,655	15,421	16,765
Colorado	3,333	2,527	2,119	1,792	1,916	886
Connecticut	2,038	3,003	1,802	1,315	84	124
Delaware	3,289	3,803	2,537	2,058	676	1,696
District of Columbia	0	0	0	0	0	0
Florida	34,327	33,908	29,623	29,642	28,322	19,054
Georgia	6,483	4,350	1,726	1,378	3,057	221
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	3,915	11,009	4,861	2,699	5,379	2,941
Indiana	1,236	2,685	1,194	249	411	339
Iowa	688	1,546	618	266	334	181
Kansas	7,989	8,412	3,498	2,767	3,697	2,426
Kentucky	1,153	1,807	481	201	188	131
Louisiana	42,949	38,341	34,799	29,657	25,383	21,890
Maine	0	0	0	0	0	0
Maryland	2,813	5,838	1,817	475	1,376	288
Massachusetts	685	1,487	1,621	1,430	697	381
Michigan	4,611	7,577	5,195	5,214	4,049	3,896
Minnesota	868	2,070	788	712	475	477
Mississippi	14,254	14,103	9,852	9,543	10,120	4,324
Missouri	5,344	5,739	1,992	637	1,675	327
Montana	28	112	32	6	9	4
Nebraska	741	1,836	724	195	335	115
Nevada	6,658	6,822	5,845	5,660	4,830	4,294
New Hampshire	98	67	25	16	0	16
New Jersey	6,185	11,542	3,447	2,078	660	689
New Mexico	4,635	3,947	2,732	2,037	3,133	2,829
New York	19,779	26,273	22,550	23,208	14,150	12,883
North Carolina	3,571	4,266	1,238	147	474	28
North Dakota	0	0	0	0	0	0
Ohio	1,535	3,240	1,435	712	1,118	941
Oklahoma	26,713	24,843	18,378	13,892	13,164	12,488
Oregon	2,010	1,574	878	2,038	1,073	220
Pennsylvania	1,894	3,243	2,077	467	285	317
Rhode Island	0	0	0	0	0	0
South Carolina	1,851	2,291	390	76	109	49
South Dakota	425	646	214	215	280	233
Tennessee	1,214	1,208	596	58	142	0
Texas	177,923	152,635	127,708	104,517	97,360	81,945
Utah	680	754	691	192	395	454
Vermont	133	0	2	1	2	6
Virginia	3,354	4,064	1,888	2,235	1,818	2,103
Washington	434	51	39	562	505	6
West Virginia	17	25	32	48	29	35
Wisconsin	1,775	4,036	1,896	1,434	555	570
Wyoming	5	8	68	6	4	13
Total	432,405	433,914	321,646	270,394	254,337	204,107

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

State	1999		1998			
	February	January	Total	December	November	October
Alabama	556	564	25,546	789	568	973
Alaska	2,556	2,758	28,784	2,957	2,669	2,190
Arizona	1,801	2,436	38,674	3,738	2,716	4,777
Arkansas	1,395	569	40,576	367	122	1,753
California	15,698	16,405	271,154	17,740	20,126	25,310
Colorado	651	894	10,627	918	1,046	684
Connecticut	1	29	10,719	123	9	209
Delaware	921	1,137	11,135	911	1,152	985
District of Columbia	0	0	0	0	0	0
Florida	13,254	15,499	281,346	17,667	18,413	28,024
Georgia	20	16	22,371	259	337	741
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	1,385	2,489	56,337	1,469	1,465	1,426
Indiana	151	528	9,096	237	172	389
Iowa	187	139	5,947	144	147	177
Kansas	1,037	1,171	36,896	1,679	2,097	1,602
Kentucky	81	406	5,760	136	151	206
Louisiana	17,767	21,728	318,395	18,345	20,877	24,381
Maine	0	0	0	0	0	0
Maryland	138	443	12,303	499	188	232
Massachusetts	47	110	18,427	725	777	918
Michigan	3,090	3,664	48,321	3,449	3,163	3,934
Minnesota	164	319	7,738	120	268	504
Mississippi	4,733	5,785	76,362	4,126	3,553	4,004
Missouri	365	624	16,035	515	521	228
Montana	5	54	522	36	33	48
Nebraska	43	39	5,044	106	35	154
Nevada	3,737	4,601	60,937	5,362	4,649	5,732
New Hampshire	0	32	149	0	25	0
New Jersey	347	1,027	30,996	792	804	376
New Mexico	2,357	2,596	39,034	2,876	2,246	2,708
New York	8,483	8,087	208,348	10,911	8,116	15,872
North Carolina	4	38	12,418	36	29	136
North Dakota	0	0	0	0	0	0
Ohio	324	302	7,663	351	170	272
Oklahoma	7,557	10,585	174,577	13,066	11,482	11,983
Oregon	945	1,540	28,883	3,009	4,188	3,701
Pennsylvania	106	262	6,890	357	98	220
Rhode Island	0	0	15,589	0	0	0
South Carolina	21	14	5,893	42	97	72
South Dakota	122	125	2,865	189	190	61
Tennessee	0	0	6,213	0	0	190
Texas	56,206	66,680	1,242,574	71,865	61,712	95,036
Utah	392	384	5,945	493	165	648
Vermont	2	5	188	4	3	7
Virginia	1,937	1,674	20,386	757	625	1,435
Washington	41	29	13,352	635	1,742	3,318
West Virginia	24	27	417	25	56	52
Wisconsin	654	553	16,348	730	589	486
Wyoming	14	9	271	5	6	13
Total	149,319	176,375	3,258,054	188,557	177,596	246,171

^a Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

^R Revised Data.

Notes: Geographic coverage is the 50 States and the District of Columbia.

See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-759, "Monthly Power Plant Report."

Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				April	March	February
Alabama	112,244	111,704	116,382	23,645	25,649	31,734
Alaska	55,317	55,187	53,195	12,370	14,102	13,127
Arizona	53,518	52,686	49,154	10,867	12,768	13,235
Arkansas	NA	93,687	93,619	NA	NA	NA
California	706,591	734,383	697,699	145,830	181,275	182,440
Colorado	NA	NA	132,658	NA	NA	NA
Connecticut	61,046	56,251	54,828	10,447	14,836	18,799
Delaware	20,167	21,123	15,344	4,533	4,621	5,170
District of Columbia	17,008	18,160	16,792	2,948	3,735	5,287
Florida	182,052	144,596	134,423	45,735	48,108	42,595
Georgia	103,979	117,910	153,441	15,798	^R 19,232	^R 28,697
Hawaii	969	928	802	235	245	243
Idaho	27,879	28,694	27,855	5,464	6,600	7,207
Illinois	446,991	479,078	448,558	75,893	94,271	122,950
Indiana	NA	NA	225,098	44,693	^R 53,258	^R 68,682
Iowa	98,472	109,151	104,456	17,350	21,220	27,333
Kansas	115,369	NA	104,068	22,420	26,001	31,543
Kentucky	88,608	88,202	83,243	15,192	18,467	24,107
Louisiana	456,628	442,200	407,569	105,321	114,319	109,933
Maine	NA	2,603	2,496	529	NA	^R 830
Maryland	88,389	NA	79,921	16,933	20,295	26,406
Massachusetts	NA	NA	159,008	NA	NA	NA
Michigan	426,751	426,497	404,236	80,249	97,752	119,744
Minnesota	NA	155,095	141,901	26,009	31,609	NA
Mississippi	NA	NA	68,852	NA	17,505	20,985
Missouri	124,900	NA	131,570	20,824	27,777	36,598
Montana	25,257	25,622	24,439	4,678	6,002	7,139
Nebraska	52,103	54,077	58,527	10,192	^R 12,349	14,219
Nevada	56,328	53,700	48,325	12,691	13,948	13,104
New Hampshire	NA	10,154	9,311	2,002	NA	^R 3,022
New Jersey	NA	NA	263,046	NA	NA	NA
New Mexico	51,062	NA	51,888	11,570	12,729	12,649
New York	NA	NA	491,029	NA	NA	NA
North Carolina	103,052	93,728	91,931	16,859	23,876	32,119
North Dakota	NA	19,784	18,416	3,916	3,756	4,425
Ohio	406,430	409,732	380,565	71,664	91,255	114,573
Oklahoma	141,862	164,349	163,418	33,941	33,217	36,714
Oregon	82,252	75,935	70,980	15,608	20,283	21,905
Pennsylvania	NA	309,544	280,177	NA	72,419	NA
Rhode Island	33,332	28,421	36,983	5,712	6,611	12,341
South Carolina	62,727	60,631	62,356	12,757	14,670	18,272
South Dakota	13,309	14,794	13,795	2,192	3,170	3,628
Tennessee	119,059	NA	117,843	21,293	23,674	35,369
Texas	1,114,840	1,104,826	1,091,609	296,272	257,093	283,560
Utah	56,473	57,609	61,613	9,283	15,188	14,926
Vermont	4,459	3,980	3,921	909	1,097	1,319
Virginia	NA	106,186	98,227	NA	24,173	33,919
Washington	NA	NA	110,293	NA	NA	NA
West Virginia	NA	NA	48,861	8,196	NA	NA
Wisconsin	174,985	176,711	163,472	31,778	36,991	47,126
Wyoming	NA	NA	32,759	7,021	7,227	8,372
Total	7,986,122	7,867,810	7,700,954	1,620,166	^R1,883,761	^R2,155,681

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	2000	1999				
	January	Total	December	November	October	September
Alabama	R31,217	298,206	28,079	24,279	21,731	21,285
Alaska	R15,718	149,801	16,205	14,842	12,855	9,345
Arizona	R16,648	R141,607	13,605	9,143	11,388	9,676
Arkansas	NA	NA	22,911	NA	NA	NA
California	R197,045	1,920,430	173,447	148,687	159,602	149,187
Colorado	NA	NA	31,107	21,407	NA	12,346
Connecticut	R16,965	130,237	14,109	11,239	8,112	7,554
Delaware	R5,842	R56,083	4,570	3,087	3,812	3,716
District of Columbia	5,038	NA	1,733	2,329	1,379	1,187
Florida	R45,615	511,289	41,390	40,778	46,237	48,648
Georgia	R40,252	NA	R32,210	R21,975	R15,446	R13,690
Hawaii	246	2,735	230	223	228	224
Idaho	8,608	64,325	7,210	5,377	4,484	3,630
Illinois	R153,877	983,082	132,729	82,376	64,712	43,502
Indiana	NA	NA	NA	NA	36,490	29,555
Iowa	R32,569	225,459	25,609	17,995	14,615	11,374
Kansas	R35,405	NA	24,168	13,962	11,815	13,381
Kentucky	R30,843	193,938	25,247	16,939	12,576	10,009
Louisiana	R127,055	1,358,597	112,640	104,298	108,150	111,287
Maine	R1,052	6,045	785	561	535	297
Maryland	24,756	NA	21,892	R14,979	11,868	9,043
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	R129,006	861,809	101,989	73,980	53,279	36,486
Minnesota	NA	NA	NA	NA	20,691	13,815
Mississippi	R24,545	NA	22,113	16,261	15,655	15,681
Missouri	R39,700	NA	30,372	17,734	12,497	11,007
Montana	7,438	54,995	6,754	5,137	3,731	2,376
Nebraska	15,342	113,950	10,721	7,106	7,021	6,086
Nevada	R16,586	149,754	16,347	10,990	11,065	11,470
New Hampshire	R3,120	NA	2,231	1,578	1,266	1,014
New Jersey	R84,168	NA	NA	NA	NA	NA
New Mexico	R14,114	NA	R16,265	11,930	NA	NA
New York	NA	NA	NA	NA	NA	NA
North Carolina	30,199	217,957	22,958	16,942	12,629	12,217
North Dakota	NA	39,294	R4,110	R3,297	2,498	1,933
Ohio	R128,938	NA	100,712	71,301	53,756	37,133
Oklahoma	R37,991	442,527	34,102	27,964	27,746	32,614
Oregon	R24,455	197,703	21,566	18,904	17,042	13,433
Pennsylvania	R97,807	637,358	75,493	53,853	39,823	29,936
Rhode Island	8,668	63,296	6,202	5,458	3,664	3,433
South Carolina	17,028	R153,194	15,663	13,032	11,009	9,794
South Dakota	4,319	28,906	3,393	2,122	1,663	986
Tennessee	R38,724	NA	24,388	20,068	19,371	R18,859
Texas	R277,915	NA	244,677	253,432	275,447	317,923
Utah	R17,075	133,303	18,893	12,072	10,142	7,230
Vermont	1,134	8,062	885	698	529	413
Virginia	R33,334	NA	28,154	17,505	13,153	14,141
Washington	NA	NA	NA	NA	NA	NA
West Virginia	13,490	NA	NA	NA	NA	5,170
Wisconsin	R59,090	R375,449	50,507	32,141	26,755	R17,255
Wyoming	NA	NA	5,758	5,267	4,012	4,792
Total	R2,326,514	R19,494,778	R1,966,298	R1,554,514	R1,407,964	R1,301,953

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	August	July	June	May	April	March
Alabama	25,421	24,153	20,894	20,659	24,462	29,878
Alaska	8,854	11,178	10,011	11,323	11,821	14,323
Arizona	11,588	^R 11,449	10,760	11,311	13,358	11,127
Arkansas	22,846	20,412	NA	NA	20,569	23,181
California	150,320	136,534	127,455	140,815	161,981	171,695
Colorado	NA	NA	15,851	23,300	NA	28,491
Connecticut	7,648	8,818	7,689	8,817	9,936	14,525
Delaware	^R 5,000	^R 5,617	4,465	4,694	4,068	6,220
District of Columbia	1,155	NA	1,339	1,936	3,245	4,658
Florida	50,162	49,425	44,949	45,104	45,459	37,270
Georgia	^R 14,389	^R 13,440	11,904	NA	^R 18,441	30,256
Hawaii	222	229	229	222	231	226
Idaho	2,952	3,303	3,694	4,982	6,275	7,004
Illinois	40,793	48,698	43,024	48,170	76,211	118,600
Indiana	29,254	29,408	29,055	NA	NA	NA
Iowa	10,591	12,087	10,601	13,436	19,759	25,806
Kansas	22,637	20,930	14,923	NA	21,446	NA
Kentucky	10,217	10,397	9,569	10,783	14,482	23,836
Louisiana	124,657	121,893	118,535	114,938	110,702	112,082
Maine	309	288	301	368	435	676
Maryland	10,565	NA	9,585	NA	16,422	NA
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	34,299	39,861	42,207	53,211	75,400	111,785
Minnesota	15,510	14,556	14,147	17,194	24,430	36,635
Mississippi	22,294	22,610	18,549	18,817	NA	17,675
Missouri	14,536	16,175	12,353	13,831	21,996	30,612
Montana	2,079	2,345	2,864	4,088	5,177	5,599
Nebraska	6,580	9,346	5,728	7,285	9,429	12,423
Nevada	11,576	11,520	11,058	12,027	12,159	12,831
New Hampshire	922	874	898	NA	1,909	2,539
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	NA	9,422	8,436	9,600	NA	13,947
New York	NA	NA	NA	NA	NA	NA
North Carolina	16,172	16,258	13,223	13,830	18,265	25,942
North Dakota	1,588	1,666	1,818	2,600	3,371	4,608
Ohio	NA	37,991	38,542	46,408	72,047	108,748
Oklahoma	43,786	42,452	36,431	33,084	39,299	39,844
Oregon	12,378	11,548	11,835	15,061	16,583	18,300
Pennsylvania	29,955	30,388	31,323	37,043	55,521	81,221
Rhode Island	3,229	3,918	4,031	4,942	5,782	6,963
South Carolina	11,320	11,252	9,777	10,717	^R 12,499	16,590
South Dakota	1,353	1,652	1,258	1,684	2,780	3,308
Tennessee	16,378	17,386	^R 15,853	NA	NA	26,599
Texas	338,597	291,123	289,287	NA	264,665	262,704
Utah	6,246	7,298	5,678	8,135	12,390	12,665
Vermont	442	295	327	492	756	1,017
Virginia	18,568	18,642	NA	16,306	20,645	28,606
Washington	NA	NA	NA	NA	NA	NA
West Virginia	NA	4,928	NA	NA	NA	NA
Wisconsin	^R 16,660	^R 18,166	17,360	19,895	28,658	43,165
Wyoming	2,951	3,330	3,064	4,014	4,887	5,432
Total	^R1,389,385	^R1,358,702	^R1,281,506	^R1,366,645	^R1,609,570	^R1,963,560

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999		1998			
	February	January	Total	December	November	October
Alabama	26,359	31,006	298,102	24,023	20,725	20,081
Alaska	13,673	15,371	147,426	14,951	13,451	12,143
Arizona	13,094	15,106	134,871	14,397	9,456	10,331
Arkansas	21,726	28,211	254,142	20,624	16,270	16,098
California	193,094	207,614	1,933,371	192,210	154,589	151,911
Colorado	31,988	38,184	271,849	31,624	21,684	14,392
Connecticut	15,078	16,712	120,955	12,389	9,140	7,053
Delaware	5,212	5,622	40,769	3,965	3,593	2,875
District of Columbia	4,857	5,400	30,115	3,043	2,293	1,337
Florida	28,980	32,887	460,082	32,489	32,777	41,312
Georgia	32,026	37,187	349,701	34,095	27,346	20,377
Hawaii	238	233	2,654	568	183	172
Idaho	7,448	7,967	62,018	6,712	5,357	3,949
Illinois	118,504	165,762	944,563	119,098	90,335	58,216
Indiana	NA	NA	513,375	58,178	45,538	35,466
Iowa	26,549	37,036	223,826	25,924	20,513	14,848
Kansas	NA	NA	260,044	23,768	20,997	14,868
Kentucky	22,020	27,863	186,990	22,641	17,693	11,891
Louisiana	100,239	119,178	1,312,174	113,450	91,988	105,471
Maine	578	913	5,663	673	564	455
Maryland	NA	^R 27,199	176,323	19,719	14,642	10,097
Massachusetts	NA	28,106	335,874	31,926	28,471	21,028
Michigan	107,100	132,212	813,457	91,646	71,928	49,532
Minnesota	41,073	52,956	305,174	40,732	30,299	20,231
Mississippi	16,487	NA	201,209	15,567	12,925	12,317
Missouri	NA	45,959	253,682	27,553	17,763	11,118
Montana	6,596	8,249	54,071	7,152	5,418	3,891
Nebraska	13,573	18,652	127,779	11,394	9,362	6,287
Nevada	13,229	15,481	142,970	15,265	11,777	11,255
New Hampshire	2,590	3,115	19,103	2,033	1,734	1,219
New Jersey	NA	NA	579,099	63,273	47,341	32,959
New Mexico	13,244	NA	127,354	16,540	10,140	7,377
New York	NA	NA	1,135,250	104,380	84,394	68,342
North Carolina	21,876	27,646	206,129	18,480	15,666	11,738
North Dakota	5,967	5,837	40,782	4,686	3,807	2,199
Ohio	107,797	121,138	794,255	96,990	73,088	50,339
Oklahoma	37,005	48,202	483,117	39,100	31,825	33,453
Oregon	19,220	21,832	192,094	21,441	18,938	15,667
Pennsylvania	82,151	90,650	587,218	68,314	53,193	35,593
Rhode Island	7,279	8,396	85,811	6,701	6,093	5,105
South Carolina	14,070	17,472	153,476	13,758	12,286	10,471
South Dakota	3,647	5,059	29,383	3,735	2,813	1,279
Tennessee	28,478	^R 38,880	263,778	28,282	21,151	17,009
Texas	257,691	319,765	3,634,920	329,660	276,571	281,344
Utah	15,666	16,888	139,380	19,111	12,732	10,647
Vermont	1,023	1,184	7,726	895	673	453
Virginia	27,709	29,226	234,692	24,576	20,099	16,212
Washington	NA	NA	254,067	26,180	22,554	14,778
West Virginia	11,820	14,083	104,879	11,105	9,102	6,858
Wisconsin	43,693	61,196	355,650	46,138	33,976	22,684
Wyoming	NA	6,599	77,656	8,105	6,575	5,451
Total	1,947,436	^R2,347,244	19,469,047	1,969,258	1,571,825	1,340,176

^R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total for commercial deliveries but not in the monthly components. See

Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Sources: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-759, "Monthly Power Plant Report."

Table 20. Average City Gate Price, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000				1999
				April	March	February	January	Total
Alabama	3.15	2.68	3.02	3.40	3.43	3.05	2.95	3.06
Alaska	1.60	1.33	1.73	1.60	1.64	1.56	1.61	1.32
Arizona	3.00	2.22	2.50	3.54	3.05	2.97	2.70	2.72
Arkansas	NA	2.85	3.02	NA	NA	NA	NA	NA
California	2.94	2.19	2.30	3.40	2.90	2.88	2.59	2.60
Colorado	NA	1.89	2.67	NA	NA	NA	NA	NA
Connecticut	5.66	4.61	5.24	5.67	5.59	6.00	5.40	5.03
Delaware	3.24	3.46	2.76	2.74	3.04	3.29	3.80	3.45
District of Columbia	8.69	—	—	—	—	8.69	—	8.88
Florida	3.64	3.16	3.57	4.12	3.57	3.55	3.40	3.36
Georgia	NA	3.64	3.48	3.29	NA	NA	NA	NA
Hawaii	7.38	4.69	5.90	8.05	6.96	7.40	7.14	5.62
Idaho	2.62	1.84	1.90	3.15	2.64	2.52	2.50	2.23
Illinois	3.16	2.54	2.86	3.47	3.30	3.13	2.93	3.00
Indiana	NA	NA	2.45	2.91	NA	NA	NA	NA
Iowa	3.39	2.82	3.24	3.72	3.75	3.47	3.03	3.28
Kansas	3.41	NA	2.86	3.44	3.48	3.61	3.21	NA
Kentucky	3.74	3.11	3.28	3.55	3.90	3.88	3.65	3.27
Louisiana	3.29	2.17	2.49	3.85	3.39	3.30	2.96	2.52
Maine	NA	3.48	3.55	5.01	NA	2.92	3.23	NA
Maryland	3.90	NA	3.43	4.47	4.18	3.94	3.53	NA
Massachusetts	NA	NA	3.49	NA	NA	NA	NA	NA
Michigan	3.02	2.83	2.90	3.06	2.90	3.01	3.11	2.83
Minnesota	NA	2.67	2.93	3.33	3.63	NA	NA	NA
Mississippi	NA	NA	3.08	NA	3.50	3.32	3.10	NA
Missouri	3.44	2.76	3.07	4.33	3.68	3.40	3.07	3.34
Montana	2.89	2.73	2.56	2.80	3.02	3.05	2.72	2.57
Nebraska	3.32	2.97	2.95	3.69	3.36	3.54	2.97	3.12
Nevada	NA	2.37	3.08	4.01	3.55	3.50	NA	2.59
New Hampshire	NA	3.54	3.83	4.16	NA	3.91	3.80	3.82
New Jersey	NA	NA	3.70	NA	NA	NA	3.67	NA
New Mexico	2.50	2.02	2.17	2.70	2.50	2.36	2.50	NA
New York	NA	NA	2.46	NA	NA	NA	NA	NA
North Carolina	3.83	2.99	3.60	4.05	3.83	3.99	3.57	3.33
North Dakota	NA	2.74	2.89	3.59	3.66	NA	NA	NA
Ohio	5.35	4.74	4.69	5.93	6.73	4.85	4.98	NA
Oklahoma	NA	2.89	2.58	2.88	3.01	2.66	NA	2.84
Oregon	3.09	2.58	2.48	3.31	3.04	3.14	2.97	2.94
Pennsylvania	3.87	3.23	4.14	4.28	4.72	3.87	3.44	3.64
Rhode Island	3.26	3.31	4.04	2.92	3.17	3.30	3.45	3.95
South Carolina	3.81	3.08	3.28	4.14	3.84	3.84	3.60	3.47
South Dakota	3.72	3.27	3.29	4.09	3.83	4.04	3.26	3.52
Tennessee	3.37	NA	3.82	3.74	3.28	3.74	3.06	NA
Texas	3.00	2.62	2.77	3.20	2.87	2.97	2.98	2.84
Utah	3.46	2.80	3.30	3.09	3.68	3.44	3.45	2.98
Vermont	3.61	2.95	2.71	3.71	3.80	3.56	3.46	2.85
Virginia	3.82	3.27	3.66	3.28	4.01	4.10	3.71	NA
Washington	NA	NA	2.41	NA	NA	NA	NA	NA
West Virginia	NA	NA	3.13	3.26	NA	NA	3.45	NA
Wisconsin	3.20	2.63	3.24	3.41	3.44	3.20	2.94	3.07
Wyoming	4.32	3.16	2.70	4.96	4.78	3.85	3.83	NA
Total	3.47	2.83	3.10	3.66	3.54	3.49	3.30	3.11

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	December	November	October	September	August	July	June	May
Alabama	3.39	3.74	3.45	3.61	3.62	3.33	3.53	2.86
Alaska	1.32	1.34	1.36	1.41	1.11	1.26	1.27	1.23
Arizona	2.68	3.37	3.30	3.66	3.52	3.26	3.16	3.03
Arkansas	2.26	NA	NA	NA	2.98	3.04	NA	NA
California	2.67	3.25	3.35	3.00	2.80	2.51	2.57	2.71
Colorado	2.27	NA	NA	NA	NA	NA	2.44	2.36
Connecticut	5.42	7.17	4.58	5.85	4.52	5.39	4.33	5.19
Delaware	2.78	3.48	2.73	4.01	3.53	4.43	5.10	3.91
District of Columbia	8.88	—	—	—	—	—	—	—
Florida	3.65	3.50	3.74	3.60	3.53	3.22	3.27	3.27
Georgia	NA	NA	NA	NA	NA	3.42	4.10	NA
Hawaii	7.40	7.20	6.48	6.23	5.59	5.61	5.45	4.72
Idaho	2.50	3.07	2.94	3.27	2.74	2.72	1.50	1.69
Illinois	3.13	3.55	3.41	3.87	3.73	3.23	3.17	3.62
Indiana	NA	NA	NA	NA	2.50	2.02	2.05	NA
Iowa	3.98	3.95	3.49	3.71	3.97	3.54	4.26	3.63
Kansas	3.12	3.60	3.41	3.91	4.88	2.52	3.08	2.94
Kentucky	3.42	3.82	3.63	3.46	2.85	3.06	2.89	3.63
Louisiana	2.71	3.84	3.16	3.34	2.46	2.24	2.27	2.41
Maine	4.33	2.66	3.37	2.69	3.18	5.39	3.67	NA
Maryland	3.29	4.28	4.80	5.38	6.24	NA	5.86	NA
Massachusetts	NA	5.89						
Michigan	2.93	2.95	2.86	2.83	2.79	2.83	2.63	2.83
Minnesota	NA	NA	2.85	3.72	3.52	3.30	3.23	2.87
Mississippi	3.05	3.49	3.29	3.30	3.05	2.84	2.49	2.66
Missouri	3.02	3.87	4.23	5.38	5.25	5.14	4.90	4.56
Montana	2.91	3.00	2.65	2.30	2.12	2.08	2.20	1.37
Nebraska	3.50	3.79	3.14	3.28	2.33	3.25	3.24	3.45
Nevada	3.27	3.01	3.20	3.94	5.42	0.83	3.60	3.07
New Hampshire	4.09	4.84	3.40	4.12	3.96	4.77	4.06	3.32
New Jersey	NA							
New Mexico	2.42	2.64	NA	NA	NA	2.06	2.13	2.06
New York	NA							
North Carolina	3.61	3.94	3.74	3.90	3.52	3.21	3.34	3.52
North Dakota	NA	4.13	3.38	3.41	3.35	2.90	2.83	2.97
Ohio	4.48	4.66	4.90	5.21	NA	5.07	5.81	6.71
Oklahoma	3.59	3.56	2.64	2.84	1.87	2.19	2.47	2.23
Oregon	3.03	3.44	3.10	3.64	4.05	3.74	3.28	2.84
Pennsylvania	3.33	4.03	4.09	4.98	6.70	5.13	4.35	4.28
Rhode Island	5.29	4.37	4.79	4.95	4.88	5.41	4.73	4.46
South Carolina	3.51	3.86	3.73	4.14	3.85	3.63	3.80	3.85
South Dakota	3.67	4.05	3.37	3.50	4.02	4.03	3.72	4.21
Tennessee	3.69	4.21	3.71	3.53	4.18	3.25	2.75	2.81
Texas	2.92	3.45	3.17	2.98	2.98	2.77	2.78	2.86
Utah	3.54	3.34	2.75	3.23	2.93	4.04	2.62	2.07
Vermont	1.43	3.85	3.42	2.68	2.70	2.63	3.12	3.34
Virginia	3.34	4.37	3.73	7.51	5.60	7.13	5.27	NA
Washington	NA							
West Virginia	NA	NA	3.46	1.33	NA	3.16	3.89	2.64
Wisconsin	2.79	4.03	3.34	4.26	4.14	3.84	4.12	3.62
Wyoming	4.03	NA	3.28	3.99	3.81	3.51	2.53	3.01
Total	3.22	3.75	3.50	3.50	3.37	3.11	3.18	3.25

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999				1998			
	April	March	February	January	Total	December	November	October
Alabama	2.70	2.65	2.79	2.62	3.17	3.16	3.17	3.50
Alaska	1.32	1.33	1.34	1.32	1.72	1.73	1.74	1.73
Arizona	2.39	2.18	2.19	2.17	2.55	2.31	2.54	2.62
Arkansas	2.71	2.58	3.40	2.69	2.94	3.13	3.03	2.93
California	2.17	2.07	2.25	2.23	2.38	2.75	2.49	2.22
Colorado	1.14	1.84	2.07	2.25	2.40	2.74	2.18	2.24
Connecticut	4.87	4.57	4.74	4.44	5.06	5.51	4.54	4.31
Delaware	3.12	3.33	3.68	3.63	3.02	4.10	3.83	3.75
District of Columbia	—	—	—	—	—	—	—	—
Florida	2.99	3.11	3.19	3.33	3.42	3.50	3.76	3.51
Georgia	3.11	3.33	3.45	4.41	3.51	4.34	3.24	3.08
Hawaii	4.68	4.53	4.47	5.07	5.33	5.17	5.14	4.95
Idaho	1.94	1.82	1.92	1.76	1.95	1.86	1.99	1.95
Illinois	2.63	2.51	2.59	2.49	2.77	2.75	2.65	2.43
Indiana	NA	NA	2.26	2.11	2.45	2.43	2.57	2.47
Iowa	3.03	2.77	3.02	2.63	3.34	2.79	3.05	4.98
Kansas	2.54	NA	NA	NA	2.96	2.79	3.19	2.94
Kentucky	3.72	2.79	3.10	3.21	3.23	3.08	3.19	2.94
Louisiana	2.14	2.16	2.19	2.18	2.33	2.48	2.20	2.13
Maine	5.48	3.05	2.84	3.27	3.43	3.82	2.66	3.37
Maryland	NA	NA	NA	2.87	4.12	5.70	3.38	4.15
Massachusetts	NA	NA	NA	NA	4.01	3.15	3.58	4.46
Michigan	2.75	2.79	3.02	2.79	2.80	3.05	2.86	2.61
Minnesota	2.49	2.70	2.84	2.60	2.98	3.04	3.04	2.74
Mississippi	NA	2.61	2.71	NA	3.00	3.11	3.06	2.91
Missouri	3.43	2.75	2.89	2.49	3.33	2.77	3.12	4.06
Montana	2.39	2.98	2.70	2.76	2.43	2.44	2.60	2.32
Nebraska	2.94	2.90	3.11	2.90	3.02	3.10	2.84	3.03
Nevada	2.13	2.31	2.54	2.42	3.02	2.65	2.60	2.48
New Hampshire	3.59	3.24	3.56	3.73	3.75	3.88	3.52	3.22
New Jersey	NA	1.20	NA	NA	3.71	4.84	4.10	4.08
New Mexico	1.81	1.98	2.08	2.13	2.08	2.18	2.17	1.75
New York	NA	NA	NA	NA	2.65	3.04	2.84	2.83
North Carolina	3.25	2.73	3.00	3.11	3.49	3.09	3.16	3.46
North Dakota	2.57	2.58	2.84	2.85	2.81	3.01	3.10	3.05
Ohio	7.73	4.43	4.62	4.22	4.70	4.32	4.22	6.02
Oklahoma	2.35	2.36	5.21	2.41	2.55	2.54	2.52	2.16
Oregon	2.66	2.59	2.68	2.43	2.73	2.50	2.61	2.72
Pennsylvania	3.77	2.95	3.42	3.10	4.12	3.47	3.69	3.73
Rhode Island	4.09	3.06	3.20	3.32	3.78	1.26	4.05	4.07
South Carolina	3.43	2.86	3.09	3.14	3.39	3.24	3.30	3.40
South Dakota	3.37	3.25	3.37	3.18	3.24	2.69	3.07	2.93
Tennessee	NA	2.79	2.76	2.86	3.47	3.28	3.57	3.06
Texas	2.45	2.38	2.61	2.83	2.63	2.85	2.59	2.37
Utah	2.31	2.76	3.11	2.86	3.22	3.58	3.07	2.94
Vermont	3.07	2.92	3.01	2.85	2.58	2.52	2.67	1.99
Virginia	3.70	3.35	2.97	3.31	3.74	3.28	3.31	3.80
Washington	NA	NA	NA	NA	2.34	2.38	1.79	2.46
West Virginia	NA	NA	3.21	6.98	3.17	3.80	3.55	3.22
Wisconsin	2.83	2.64	2.77	2.47	3.29	2.84	3.10	3.18
Wyoming	3.23	2.85	3.49	3.07	2.73	4.14	3.22	2.97
Total	2.91	2.67	2.94	2.84	3.07	3.10	2.99	2.99

NA Not Available.

— Not Applicable.

Notes: Geographic coverage is the 50 States and the District of Columbia. Prices in this table represent the average price of natural gas by State at the point where the gas transferred from a pipeline to a local distribution

company within the State. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000				1999
				April	March	February	January	Total
Alabama	7.88	7.49	7.32	9.08	9.21	7.21	7.41	8.37
Alaska	3.41	3.56	3.64	3.45	3.53	3.36	3.34	3.64
Arizona	8.32	8.30	7.42	9.23	8.43	8.33	7.88	9.18
Arkansas	NA	6.23	6.45	NA	NA	NA	NA	NA
California	6.84	6.43	6.84	7.17	7.05	6.99	6.30	6.62
Colorado	NA	4.77	4.64	NA	NA	NA	NA	5.24
Connecticut	10.58	10.02	10.22	11.04	10.54	10.51	10.49	10.39
Delaware	7.77	8.12	8.20	8.25	7.96	7.76	7.40	8.62
District of Columbia	8.79	8.20	8.68	9.28	8.99	8.69	8.54	NA
Florida	11.29	10.79	10.01	13.27	11.95	10.45	10.62	12.12
Georgia	7.20	2.44	6.29	6.31	^R 8.44	^R 7.36	^R 6.74	NA
Hawaii	20.39	18.34	19.79	20.93	20.37	20.31	19.99	18.97
Idaho	5.56	5.13	5.14	5.74	5.61	5.56	5.45	5.43
Illinois	5.46	4.64	5.04	6.23	5.71	5.32	5.12	5.53
Indiana	NA	NA	6.33	6.62	NA	NA	^R 5.41	NA
Iowa	5.83	5.13	5.33	6.91	6.26	5.73	5.27	6.11
Kansas	6.20	NA	5.72	6.80	6.38	6.03	5.98	NA
Kentucky	5.96	5.16	5.62	6.75	6.21	6.04	5.56	5.73
Louisiana	6.32	5.77	5.77	6.81	6.99	6.13	5.92	6.90
Maine	8.24	7.32	8.17	8.96	^R 9.30	7.34	^R 7.87	7.48
Maryland	7.96	NA	7.54	8.96	8.71	7.67	7.38	NA
Massachusetts	NA	NA	9.21	NA	NA	NA	NA	NA
Michigan	4.87	4.79	4.92	5.11	4.94	4.79	4.77	5.12
Minnesota	NA	5.05	5.17	6.11	5.86	NA	NA	NA
Mississippi	NA	NA	5.72	NA	6.86	5.66	5.81	NA
Missouri	6.28	5.69	5.98	6.92	6.34	6.04	6.16	6.28
Montana	5.30	4.87	4.93	5.27	5.43	5.28	5.25	5.15
Nebraska	5.13	4.44	4.94	5.72	5.38	5.06	4.76	5.06
Nevada	NA	6.82	6.73	6.79	6.25	6.25	NA	7.10
New Hampshire	8.13	7.38	8.18	7.18	8.51	8.32	8.15	7.73
New Jersey	NA	NA	6.74	NA	NA	NA	8.90	NA
New Mexico	5.51	4.28	4.62	4.99	6.04	5.26	5.72	^R 4.96
New York	NA	NA	9.15	NA	NA	NA	NA	NA
North Carolina	8.21	7.42	8.00	8.47	9.07	7.58	8.27	8.32
North Dakota	NA	4.68	4.70	5.36	5.04	4.73	NA	NA
Ohio	6.21	5.75	6.03	6.43	6.30	6.09	6.18	NA
Oklahoma	5.89	5.07	5.42	6.35	6.23	5.57	5.80	5.85
Oregon	7.36	6.83	6.36	7.18	7.48	7.42	7.33	7.17
Pennsylvania	NA	7.76	8.02	NA	7.79	NA	7.31	8.22
Rhode Island	6.63	8.93	9.01	9.46	8.73	4.23	8.87	9.53
South Carolina	8.76	8.32	7.93	8.86	9.53	8.40	8.76	8.61
South Dakota	5.78	5.05	5.24	6.24	5.97	5.87	5.36	5.83
Tennessee	6.58	NA	6.30	7.54	7.34	6.45	6.03	NA
Texas	5.75	5.19	5.67	6.91	6.20	5.49	5.26	6.03
Utah	6.11	5.21	5.51	6.36	5.91	6.16	6.16	5.37
Vermont	7.44	6.59	6.28	7.71	7.45	7.33	7.42	7.13
Virginia	7.98	7.89	7.96	8.90	8.32	7.78	7.65	NA
Washington	NA	NA	5.79	NA	NA	NA	NA	NA
West Virginia	NA	NA	6.81	7.50	NA	NA	7.44	NA
Wisconsin	6.32	6.03	6.12	7.10	6.49	6.19	5.99	6.19
Wyoming	5.07	5.05	5.00	5.38	5.05	4.94	5.00	5.28
Total	6.57	6.11	6.44	7.05	6.82	6.45	6.30	6.62

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	December	November	October	September	August	July	June	May
Alabama	8.22	9.17	10.27	11.61	11.91	11.38	10.98	9.83
Alaska	3.45	3.58	3.70	3.84	4.27	4.31	4.10	3.81
Arizona	8.76	10.32	11.84	12.63	12.84	12.26	11.03	9.57
Arkansas	6.56	NA	9.42	8.95	10.63	9.65	9.45	8.25
California	6.52	7.13	7.51	6.88	7.21	7.04	6.82	6.22
Colorado	5.13	5.64	6.04	7.43	7.59	7.16	6.13	5.12
Connecticut	11.04	10.89	11.17	9.77	11.45	10.47	10.78	11.30
Delaware	8.02	8.99	10.69	12.48	12.52	10.58	10.97	9.32
District of Columbia	8.02	10.10	11.34	12.39	8.28	NA	8.24	8.95
Florida	11.19	12.87	14.76	15.03	14.74	14.25	13.92	12.64
Georgia	^R 7.56	7.98	6.78	8.40	10.62	11.45	10.16	NA
Hawaii	20.18	19.50	20.03	19.71	19.38	18.71	18.56	18.60
Idaho	5.57	5.82	5.92	6.58	6.55	6.21	5.83	5.46
Illinois	5.39	6.31	6.91	8.49	9.46	8.85	8.12	7.66
Indiana	5.43	6.13	6.57	8.75	9.10	9.27	8.86	7.64
Iowa	6.10	6.52	7.56	9.24	13.37	9.40	11.36	7.77
Kansas	6.18	7.02	7.58	9.02	8.66	8.77	7.74	6.65
Kentucky	5.93	5.87	7.00	7.53	8.16	8.17	7.75	6.75
Louisiana	7.30	8.44	9.10	9.59	9.37	8.55	8.03	7.58
Maine	6.63	7.40	7.83	8.26	9.13	9.11	9.24	8.64
Maryland	8.19	9.02	10.03	12.70	12.97	NA	11.87	NA
Massachusetts	NA	NA	NA	NA	NA	NA	NA	NA
Michigan	4.85	5.13	5.59	7.15	7.75	7.68	6.46	5.72
Minnesota	NA	NA	6.25	7.47	7.91	8.04	7.19	6.26
Mississippi	5.87	7.03	7.62	6.99	7.77	7.22	7.12	6.92
Missouri	6.38	6.84	7.73	9.35	10.48	9.85	6.09	7.08
Montana	5.03	5.32	5.57	6.27	7.46	6.58	5.99	4.66
Nebraska	5.23	6.02	6.52	7.73	8.04	7.13	6.76	5.33
Nevada	6.16	7.18	8.24	8.85	9.03	8.86	8.15	7.39
New Hampshire	8.65	9.07	7.25	8.75	9.29	8.68	7.88	6.38
New Jersey	NA	NA	NA	NA	NA	NA	NA	NA
New Mexico	^R 4.10	3.78	4.46	9.67	10.81	9.10	8.08	8.82
New York	NA	NA	NA	NA	NA	NA	NA	NA
North Carolina	8.95	8.95	10.76	11.70	13.19	11.74	12.98	8.76
North Dakota	NA	5.71	6.10	7.31	7.90	7.54	7.23	5.19
Ohio	6.36	6.57	6.76	8.04	NA	8.41	7.89	6.83
Oklahoma	6.23	8.06	8.21	9.13	9.49	8.80	3.77	6.95
Oregon	7.10	7.16	7.67	8.64	8.91	10.50	7.75	7.26
Pennsylvania	7.67	8.14	9.20	10.69	11.99	11.40	10.69	9.19
Rhode Island	9.54	10.00	10.45	12.23	12.29	12.14	11.36	9.79
South Carolina	8.76	8.85	9.37	10.20	10.46	10.20	9.89	8.48
South Dakota	6.10	6.27	7.09	8.26	9.81	8.69	8.46	6.48
Tennessee	7.47	7.48	8.43	8.06	9.25	8.86	9.32	NA
Texas	5.53	7.26	8.43	9.00	9.13	7.40	7.90	6.94
Utah	5.49	5.90	5.11	5.44	6.25	5.54	5.78	4.83
Vermont	7.65	7.51	7.63	9.33	9.38	9.33	8.42	7.41
Virginia	8.16	9.57	12.04	14.20	14.40	13.85	13.36	NA
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	NA	NA	8.09	9.61	NA	10.66	9.88	NA
Wisconsin	6.09	6.98	5.47	7.21	7.45	7.14	6.70	5.91
Wyoming	5.14	5.48	5.45	6.09	7.18	6.74	5.94	5.08
Total	^R 6.48	7.09	7.50	8.45	8.96	8.54	7.96	7.11

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999				1998			
	April	March	February	January	Total	December	November	October
Alabama	7.83	7.03	8.29	7.13	8.21	9.06	10.01	10.99
Alaska	3.65	3.59	3.53	3.53	3.67	3.51	3.70	3.74
Arizona	8.75	8.57	8.17	8.03	8.50	8.34	9.85	11.96
Arkansas	6.70	6.16	6.94	5.66	6.85	6.82	6.79	8.12
California	5.98	6.22	6.54	6.82	6.92	6.88	6.79	6.87
Colorado	5.00	4.86	4.75	4.60	5.22	4.94	5.28	5.85
Connecticut	10.29	10.08	10.18	9.71	10.60	10.97	10.52	11.13
Delaware	8.39	8.05	8.10	8.05	8.90	8.58	9.44	11.69
District of Columbia	7.96	7.76	8.25	8.61	8.91	8.82	9.25	10.60
Florida	11.46	10.58	11.16	10.29	11.29	11.35	12.43	13.68
Georgia	4.12	2.44	2.38	2.01	6.78	2.42	3.45	8.03
Hawaii	18.04	18.15	18.34	18.79	19.25	18.86	19.39	19.25
Idaho	5.31	5.10	5.13	5.03	5.33	5.15	5.42	5.79
Illinois	5.27	4.63	4.62	4.46	5.47	4.77	5.02	5.98
Indiana	NA	NA	NA	5.36	6.56	5.75	5.81	6.72
Iowa	6.00	5.26	5.07	4.79	5.96	4.96	5.75	7.39
Kansas	5.60	NA	NA	NA	6.00	5.52	5.88	7.43
Kentucky	5.46	4.82	5.27	5.24	6.03	5.35	5.76	7.99
Louisiana	6.19	5.98	5.86	5.42	6.68	6.89	7.81	8.90
Maine	7.85	7.38	7.34	7.00	8.09	7.64	7.45	7.66
Maryland	7.98	NA	NA	7.37	8.29	8.12	7.92	10.06
Massachusetts	NA	NA	9.19	9.39	9.42	9.67	9.66	9.44
Michigan	5.10	4.78	4.76	4.68	5.17	4.87	4.85	5.43
Minnesota	5.21	5.08	5.06	4.96	5.48	5.22	5.31	6.02
Mississippi	NA	4.94	5.94	4.84	6.08	6.44	4.48	7.74
Missouri	6.06	5.41	5.70	5.71	6.57	6.20	6.63	8.85
Montana	4.95	4.94	4.93	4.75	5.25	4.99	5.22	5.84
Nebraska	4.70	4.47	4.38	4.37	5.13	4.60	4.74	5.71
Nevada	7.00	6.94	6.75	6.70	7.11	6.74	7.14	8.00
New Hampshire	5.67	8.23	7.60	7.44	8.12	7.98	8.26	7.29
New Jersey	NA	NA	NA	NA	7.33	8.16	8.24	8.51
New Mexico	5.63	4.03	4.92	3.54	5.22	3.23	4.20	8.02
New York	NA	NA	NA	NA	9.59	9.30	9.50	11.62
North Carolina	7.92	6.20	8.40	7.56	8.69	9.45	8.31	11.70
North Dakota	4.71	4.76	4.67	4.62	5.16	5.01	5.05	5.65
Ohio	5.83	5.63	5.69	5.87	6.43	6.08	6.13	7.82
Oklahoma	5.59	5.33	5.48	4.45	5.93	5.51	6.15	8.42
Oregon	7.04	6.91	6.80	6.68	6.81	6.75	6.91	7.66
Pennsylvania	7.68	7.73	7.78	7.80	8.45	7.78	8.07	9.13
Rhode Island	9.48	8.88	8.90	8.71	9.56	9.40	9.80	10.79
South Carolina	8.17	7.81	9.14	8.25	8.30	8.95	8.77	9.56
South Dakota	5.43	5.00	5.09	4.89	5.59	4.99	5.35	6.34
Tennessee	NA	6.36	6.06	5.71	6.73	6.74	7.04	8.58
Texas	6.00	5.18	5.20	4.89	6.16	5.40	6.43	7.98
Utah	4.19	5.59	5.33	5.51	5.57	5.61	5.72	4.74
Vermont	6.83	6.68	6.29	6.64	6.54	6.38	6.64	7.46
Virginia	8.72	7.34	7.98	7.96	8.57	8.09	8.10	10.85
Washington	NA	NA	NA	NA	5.84	5.79	5.63	6.09
West Virginia	NA	NA	6.96	6.90	7.29	7.18	7.34	8.19
Wisconsin	6.13	6.05	6.28	5.82	6.15	6.00	6.22	5.48
Wyoming	5.03	5.19	5.03	4.98	5.19	4.91	5.11	5.10
Total	6.32	6.01	6.24	5.99	6.82	6.34	6.58	7.60

^R Revised Data.

^{NA} Not Available.

Notes: Data for 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District

of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000				1999
				April	March	February	January	Total
Alabama	6.84	6.41	6.39	7.09	7.39	6.49	6.78	6.71
Alaska	2.10	2.37	2.43	1.96	2.13	2.12	2.16	2.16
Arizona	6.22	6.14	5.68	6.31	6.23	6.24	6.14	6.18
Arkansas	NA	4.96	5.14	NA	NA	NA	NA	NA
California	6.62	5.71	6.89	6.74	6.89	6.87	6.05	5.83
Colorado	NA	NA	4.34	NA	NA	NA	NA	NA
Connecticut	6.98	6.82	7.43	7.01	6.27	6.82	7.97	6.59
Delaware	6.21	6.69	6.71	6.58	6.40	6.46	5.69	7.02
District of Columbia	8.23	7.10	7.38	8.15	8.34	8.55	7.89	NA
Florida	7.04	6.32	6.55	7.24	7.12	6.98	6.87	6.52
Georgia	5.24	2.94	5.89	5.23	^R 5.20	^R 5.15	^R 5.37	NA
Hawaii	16.23	13.38	14.90	16.71	16.09	16.12	16.02	14.33
Idaho	4.92	4.57	4.49	5.13	4.88	4.90	4.86	4.77
Illinois	5.22	4.52	4.80	5.92	5.41	5.08	4.95	5.25
Indiana	NA	NA	5.59	5.57	NA	NA	NA	NA
Iowa	4.91	4.24	4.46	5.48	5.17	4.91	4.57	4.80
Kansas	4.24	NA	4.85	4.10	4.16	4.40	4.25	NA
Kentucky	5.46	4.81	5.43	5.78	5.61	5.28	5.43	5.15
Louisiana	5.65	5.25	5.34	5.61	5.94	5.67	5.46	5.70
Maine	NA	6.72	7.61	7.44	NA	6.79	^R 6.65	6.70
Maryland	6.98	NA	6.33	8.09	7.27	7.07	6.31	NA
Massachusetts	NA	NA	7.72	NA	NA	NA	NA	NA
Michigan	4.68	4.71	4.81	4.80	4.69	4.65	4.66	4.84
Minnesota	NA	4.23	4.43	5.00	4.94	5.00	NA	4.44
Mississippi	NA	NA	5.02	NA	5.58	5.19	4.64	NA
Missouri	5.81	5.35	5.68	6.09	5.54	5.79	5.90	5.38
Montana	4.79	4.86	4.88	4.54	4.97	4.67	4.88	5.10
Nebraska	4.47	4.01	4.61	4.64	4.65	4.56	4.19	4.10
Nevada	5.41	5.92	6.03	5.50	5.39	5.44	5.37	5.99
New Hampshire	NA	6.74	7.51	6.67	NA	7.80	7.44	NA
New Jersey	NA	NA	4.09	NA	NA	NA	2.95	NA
New Mexico	4.32	3.20	4.11	7.27	4.06	4.00	4.22	^R 3.38
New York	NA	NA	6.55	NA	NA	NA	NA	NA
North Carolina	6.73	6.08	6.67	6.17	7.35	6.51	6.80	6.31
North Dakota	NA	4.09	4.15	4.64	4.51	4.31	NA	NA
Ohio	5.89	5.44	5.66	5.86	5.86	5.84	5.96	NA
Oklahoma	5.63	4.84	5.16	5.40	5.88	5.48	5.75	5.11
Oregon	6.05	5.60	5.05	6.06	6.06	6.06	6.04	5.80
Pennsylvania	5.81	9.16	7.44	4.77	5.54	5.59	6.77	8.38
Rhode Island	7.43	7.79	7.85	7.97	7.70	7.39	6.94	8.01
South Carolina	7.31	6.65	6.78	7.02	7.57	7.26	7.36	6.52
South Dakota	4.58	4.03	4.29	4.77	4.64	4.68	4.36	4.52
Tennessee	5.69	5.33	5.89	6.38	6.52	6.05	4.78	^R 5.57
Texas	4.54	4.30	4.64	4.89	4.41	4.61	4.34	4.39
Utah	4.66	4.00	4.30	4.24	4.63	4.70	4.82	4.12
Vermont	6.18	5.30	5.18	6.17	6.17	6.18	6.20	5.54
Virginia	6.21	5.84	6.15	6.30	6.18	6.25	6.14	6.04
Washington	NA	NA	4.66	NA	NA	NA	NA	NA
West Virginia	6.16	6.19	6.13	6.50	^R 6.29	^R 5.97	6.14	NA
Wisconsin	5.28	4.85	4.89	5.93	5.34	5.15	5.07	4.94
Wyoming	4.31	4.50	4.74	4.80	3.76	4.46	4.43	4.50
Total	5.36	5.18	5.57	5.46	5.15	5.44	5.38	5.27

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	December	November	October	September	August	July	June	May
Alabama	6.98	7.07	6.88	7.22	7.31	7.22	7.08	6.86
Alaska	2.15	2.14	2.13	1.94	1.79	1.83	1.76	1.95
Arizona	6.21	6.34	6.32	6.27	6.38	6.13	6.05	6.07
Arkansas	4.25	NA	NA	NA	5.77	5.69	NA	NA
California	6.40	6.38	6.33	5.96	6.08	5.68	5.43	5.24
Colorado	4.48	4.41	NA	4.49	NA	4.47	4.38	4.18
Connecticut	7.87	6.91	6.10	5.27	4.91	5.13	5.39	6.51
Delaware	6.94	7.21	7.51	8.20	8.78	8.29	7.89	7.31
District of Columbia	—	8.72	8.35	8.14	6.92	NA	6.84	6.64
Florida	6.84	6.98	6.85	6.89	6.63	6.50	6.35	6.29
Georgia	^R 5.83	5.95	11.91	7.36	5.59	6.58	6.00	NA
Hawaii	15.80	15.90	15.71	14.90	14.45	14.46	14.00	13.28
Idaho	4.92	5.21	5.10	5.25	4.96	4.89	4.92	4.85
Illinois	5.39	6.18	6.36	7.26	8.57	7.98	7.15	6.61
Indiana	NA	NA	5.34	5.95	6.17	6.63	6.90	5.81
Iowa	5.23	5.28	5.47	5.80	6.19	6.25	6.44	5.51
Kansas	5.81	6.09	5.51	4.78	4.92	5.48	5.85	5.54
Kentucky	5.78	5.61	5.78	5.60	5.73	5.75	5.59	4.36
Louisiana	6.10	6.68	6.22	6.45	6.23	5.79	5.56	5.56
Maine	6.25	6.68	6.84	6.89	6.89	6.81	6.70	7.20
Maryland	6.61	7.52	8.19	8.76	7.34	7.79	8.29	NA
Massachusetts	NA	NA	NA	NA	NA	NA	6.12	6.24
Michigan	4.58	4.93	5.18	5.71	6.08	5.86	5.67	5.14
Minnesota	4.53	5.08	4.62	5.02	4.65	4.50	4.61	4.38
Mississippi	4.95	5.41	5.01	4.62	4.88	4.45	4.44	4.79
Missouri	5.80	5.54	5.40	5.58	5.81	5.68	3.63	5.22
Montana	5.06	5.37	5.67	5.87	6.54	5.99	5.63	4.60
Nebraska	4.32	4.62	4.33	4.36	4.11	3.84	3.94	3.84
Nevada	5.39	6.00	6.31	6.50	6.33	6.49	6.40	6.09
New Hampshire	7.78	7.83	5.92	6.19	6.66	6.16	6.25	NA
New Jersey	NA	NA	NA	NA	NA	NA	NA	NA
New Mexico	^R 3.49	3.01	2.83	4.16	5.60	4.64	3.56	3.47
New York	NA	NA	NA	NA	NA	NA	NA	NA
North Carolina	7.34	6.83	6.61	6.13	6.28	6.13	6.12	5.85
North Dakota	NA	NA	5.05	5.21	4.97	5.07	4.98	3.94
Ohio	6.02	6.04	5.91	6.17	NA	6.60	6.55	5.82
Oklahoma	6.05	5.81	5.23	5.30	5.36	5.43	5.98	4.98
Oregon	5.90	5.63	7.76	5.95	5.98	5.83	5.75	5.65
Pennsylvania	7.01	6.90	7.76	7.70	8.21	7.83	8.96	7.09
Rhode Island	7.85	8.01	8.15	8.58	14.12	8.91	8.70	8.45
South Carolina	7.04	7.16	6.05	6.12	6.01	5.90	6.00	6.04
South Dakota	5.09	4.86	5.36	5.56	5.99	5.29	5.37	4.91
Tennessee	6.43	6.31	5.34	^R 5.05	5.89	5.79	5.48	5.39
Texas	4.45	4.88	4.81	4.70	4.31	4.02	4.37	4.16
Utah	4.54	4.72	3.98	3.99	4.10	4.19	3.85	3.31
Vermont	6.20	5.98	5.54	5.68	5.76	5.72	5.64	5.57
Virginia	6.24	6.35	6.59	6.50	6.33	6.22	5.79	5.90
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	NA	6.18	6.29	7.01	6.93	6.76	6.95	6.88
Wisconsin	5.20	5.83	4.12	5.50	4.98	4.68	4.64	4.28
Wyoming	4.39	4.53	4.52	4.50	4.92	4.68	4.53	4.51
Total	^R 5.46	5.46	5.36	5.43	5.36	5.26	5.27	5.13

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999				1998			
	April	March	February	January	Total	December	November	October
Alabama	6.26	6.10	6.93	6.33	6.65	7.07	7.40	6.94
Alaska	2.28	2.34	2.38	2.44	2.41	2.46	2.48	2.33
Arizona	6.11	6.12	6.18	6.15	6.00	6.31	6.44	6.51
Arkansas	5.24	4.85	5.27	4.70	5.16	5.28	5.17	4.91
California	5.57	5.17	6.28	5.82	6.33	6.38	6.08	5.73
Colorado	NA	4.14	4.12	4.15	4.34	4.21	3.86	3.94
Connecticut	6.68	6.93	7.03	6.63	6.89	7.60	6.79	5.54
Delaware	6.82	6.69	6.59	6.68	7.05	6.89	6.93	8.05
District of Columbia	6.70	6.92	7.06	7.53	7.36	7.67	7.65	7.45
Florida	6.19	6.22	6.42	6.41	6.40	6.23	6.27	6.28
Georgia	3.43	2.17	2.35	3.78	6.00	2.77	3.36	4.95
Hawaii	13.08	13.19	13.41	13.79	14.15	13.81	14.00	14.04
Idaho	4.83	4.49	4.59	4.46	4.62	4.59	4.84	4.92
Illinois	4.83	4.46	4.48	4.47	5.07	4.69	4.88	5.32
Indiana	5.20	NA	4.52	4.39	5.50	4.72	4.89	5.33
Iowa	4.67	4.11	4.30	4.12	4.67	4.06	4.52	5.15
Kansas	4.91	NA	NA	NA	4.98	5.11	5.10	5.34
Kentucky	5.03	4.39	4.93	4.98	5.43	5.12	5.16	5.78
Louisiana	5.24	5.29	5.22	5.25	5.64	6.02	6.15	6.07
Maine	7.01	6.81	6.79	6.48	7.23	6.96	6.68	6.55
Maryland	7.03	NA	NA	6.49	6.64	7.11	6.07	7.71
Massachusetts	7.79	7.72	NA	8.08	7.32	7.68	7.49	6.06
Michigan	4.94	4.69	4.68	4.65	4.90	4.78	4.70	5.12
Minnesota	4.01	4.20	4.25	4.33	4.39	4.37	4.26	4.22
Mississippi	NA	4.25	4.95	NA	4.74	5.04	3.72	4.78
Missouri	5.19	5.06	5.43	5.55	5.68	5.60	5.50	6.17
Montana	4.88	4.90	4.91	4.80	5.13	5.01	5.19	5.68
Nebraska	3.77	3.98	4.00	4.14	4.25	3.77	3.74	3.50
Nevada	6.10	5.89	5.92	5.85	6.28	6.22	6.69	6.99
New Hampshire	5.40	6.97	7.15	6.89	7.18	7.38	7.30	5.94
New Jersey	NA	NA	NA	NA	3.70	3.15	3.22	3.14
New Mexico	4.47	3.53	3.40	2.45	4.04	3.15	3.42	4.16
New York	NA	NA	NA	NA	6.08	6.05	5.61	5.40
North Carolina	5.62	5.87	6.44	6.25	6.63	7.16	6.90	6.24
North Dakota	3.94	4.09	4.04	4.19	4.37	4.33	4.35	4.43
Ohio	5.37	5.26	5.33	5.67	5.83	5.69	5.70	6.92
Oklahoma	4.70	5.09	5.23	4.49	5.05	4.10	6.05	5.18
Oregon	5.65	5.63	5.64	5.51	5.25	5.96	4.39	5.48
Pennsylvania	19.91	7.00	7.22	7.26	7.43	6.82	6.70	7.41
Rhode Island	8.03	7.73	7.75	7.74	8.12	8.02	8.11	8.65
South Carolina	6.45	6.40	6.94	6.75	6.48	6.77	6.61	5.76
South Dakota	4.23	3.90	4.16	3.92	4.43	3.98	4.25	4.86
Tennessee	^R 5.31	5.68	5.72	^R 4.92	6.04	6.40	6.34	6.87
Texas	4.47	4.04	4.29	4.36	4.44	4.30	4.27	4.20
Utah	3.24	4.25	4.14	4.20	4.35	4.53	4.68	3.99
Vermont	5.50	5.49	5.23	5.12	5.08	4.72	4.95	4.81
Virginia	5.82	5.67	6.04	5.81	6.12	6.02	6.11	6.33
Washington	NA	NA	NA	NA	4.75	4.68	5.32	4.77
West Virginia	6.06	6.19	6.23	6.23	6.26	5.97	6.30	6.36
Wisconsin	4.41	4.77	4.89	5.04	4.70	4.68	4.71	3.81
Wyoming	4.44	4.51	4.48	4.55	4.45	2.85	4.65	4.81
Total	^R 5.71	5.00	5.17	^R 5.06	5.48	5.23	5.22	5.31

^R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Data for 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to commercial consumers

reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000				1999
				April	March	February	January	Total
Alabama	3.48	3.21	3.39	3.57	3.44	3.47	3.45	3.32
Alaska	1.43	1.18	1.49	1.49	1.43	1.41	1.40	1.25
Arizona	3.58	3.45	3.37	4.10	3.53	3.54	3.38	3.42
Arkansas	4.55	3.41	3.71	4.64	4.47	4.47	4.58	NA
California	4.27	NA	4.41	4.45	4.37	4.45	3.82	NA
Colorado	NA	2.29	1.90	NA	NA	2.81	NA	NA
Connecticut	5.40	4.29	4.93	5.00	5.49	5.53	5.36	4.18
Delaware	4.22	4.10	4.22	5.05	4.24	5.40	2.64	4.16
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.20	3.79	4.21	3.93	4.49	4.40	4.06	3.99
Georgia	3.98	2.68	4.40	3.90	^R 3.67	^R 4.00	^R 4.31	^R 3.25
Hawaii	8.71	8.14	—	9.57	8.53	8.48	8.28	8.21
Idaho	3.50	3.20	3.09	3.53	3.42	3.50	3.54	3.30
Illinois	4.24	3.57	4.15	4.33	5.05	3.78	4.06	4.04
Indiana	4.43	NA	4.44	4.47	^R 4.47	^R 5.68	^R 3.60	NA
Iowa	4.11	3.36	3.09	4.26	4.26	3.88	4.14	3.96
Kansas	3.74	NA	3.83	3.86	3.56	4.03	3.59	NA
Kentucky	3.83	3.14	4.41	3.76	3.60	4.07	3.87	3.30
Louisiana	3.38	2.07	2.64	5.38	2.94	2.92	2.77	2.53
Maine	5.24	5.63	6.26	5.42	^R 5.80	^R 5.16	^R 4.60	4.87
Maryland	NA	5.19	5.91	5.99	6.67	7.89	NA	^R 5.54
Massachusetts	NA	NA	6.62	NA	NA	NA	NA	NA
Michigan	3.98	3.76	3.79	4.08	4.18	3.84	3.92	3.92
Minnesota	3.33	2.73	3.05	3.46	3.29	^R 3.31	3.28	NA
Mississippi	NA	NA	3.35	NA	3.49	3.52	3.35	NA
Missouri	4.91	NA	4.59	5.04	4.65	5.12	4.87	NA
Montana	4.66	4.31	4.31	5.88	4.22	4.51	4.40	4.55
Nebraska	4.20	3.19	3.41	4.08	4.30	4.48	3.92	3.39
Nevada	4.66	4.49	5.95	3.66	4.68	5.08	4.82	4.63
New Hampshire	NA	5.14	5.72	5.39	NA	^R 7.70	^R 7.03	4.56
New Jersey	NA	NA	3.38	NA	NA	NA	2.42	NA
New Mexico	2.80	NA	3.75	2.41	2.84	2.79	3.44	NA
New York	NA	NA	5.29	NA	NA	4.98	5.13	NA
North Carolina	4.73	3.54	4.31	4.21	4.71	5.13	5.04	3.73
North Dakota	3.12	2.52	3.07	3.21	3.07	3.02	3.17	NA
Ohio	5.14	5.17	4.35	4.49	4.97	5.39	5.38	NA
Oklahoma	4.52	3.44	3.92	4.46	4.48	4.63	4.51	3.77
Oregon	4.39	3.94	3.69	4.38	4.46	4.31	4.39	4.01
Pennsylvania	4.89	4.43	4.48	4.67	4.69	4.96	5.20	4.21
Rhode Island	4.44	4.24	4.22	4.67	5.34	5.54	2.61	3.96
South Carolina	4.03	2.96	3.57	4.01	3.94	4.16	4.03	3.32
South Dakota	3.43	3.08	3.32	3.39	3.52	3.46	3.37	3.36
Tennessee	2.97	3.47	4.10	3.14	3.02	2.99	2.78	3.05
Texas	2.79	2.07	2.53	3.08	2.80	2.72	2.55	NA
Utah	3.29	3.06	2.97	2.69	3.44	3.39	3.45	3.02
Vermont	4.14	2.79	2.98	3.98	4.01	4.38	4.21	3.08
Virginia	NA	3.99	4.36	NA	4.27	4.09	4.85	3.91
Washington	NA	NA	2.77	NA	NA	NA	NA	NA
West Virginia	4.58	NA	3.35	5.25	^R 4.13	^R 4.53	4.42	NA
Wisconsin	4.31	3.83	4.03	4.45	4.26	4.32	4.24	3.87
Wyoming	NA	NA	3.40	3.36	3.28	3.30	NA	NA
Total	3.43	2.94	3.49	3.69	^R3.35	3.44	3.28	3.04

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	December	November	October	September	August	July	June	May
Alabama	3.42	3.79	3.39	3.59	3.33	3.06	3.15	3.30
Alaska	1.37	1.34	1.29	1.16	1.33	1.27	1.24	1.21
Arizona	3.44	3.63	3.55	3.48	3.29	3.26	3.62	3.11
Arkansas	4.69	3.96	4.84	4.89	3.92	3.64	NA	3.57
California	4.05	4.44	4.02	2.44	3.67	3.48	3.34	2.86
Colorado	2.53	3.30	2.83	3.12	2.96	NA	2.41	2.46
Connecticut	4.93	4.63	4.16	3.92	3.82	3.54	3.70	3.70
Delaware	3.96	5.25	4.61	4.64	4.25	4.16	4.11	3.48
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.18	4.42	3.86	4.35	4.20	3.99	4.11	3.92
Georgia	^R 4.08	^R 4.01	^R 3.98	^R 3.96	^R 3.42	^R 4.11	3.46	^R 3.11
Hawaii	8.28	8.19	8.29	8.28	8.04	8.04	8.31	8.52
Idaho	3.55	3.51	3.29	3.23	3.22	3.59	3.21	3.22
Illinois	4.58	4.76	5.17	4.56	4.05	4.17	4.03	3.85
Indiana	3.69	3.91	3.91	3.94	3.44	3.93	3.95	NA
Iowa	5.03	4.95	4.63	4.59	3.96	2.30	6.02	3.52
Kansas	3.48	3.75	3.38	2.82	2.62	2.52	2.51	NA
Kentucky	4.12	3.65	3.34	3.36	3.26	2.99	2.90	3.09
Louisiana	2.90	3.04	2.83	3.02	2.76	2.53	2.40	2.24
Maine	4.98	4.92	4.60	3.92	4.58	4.38	4.10	4.40
Maryland	6.14	^R 5.62	5.38	6.78	4.48	5.74	6.00	6.39
Massachusetts	NA	NA	NA	NA	5.50	NA	NA	4.50
Michigan	3.92	3.81	4.25	4.51	4.81	5.11	4.46	3.83
Minnesota	NA	4.29	3.94	3.47	2.68	2.87	2.60	3.07
Mississippi	3.21	3.80	3.39	3.63	3.36	3.09	3.09	3.18
Missouri	4.99	4.41	4.41	4.13	3.92	3.69	3.91	4.00
Montana	4.40	4.44	5.29	5.71	6.07	5.67	5.99	4.33
Nebraska	3.59	4.10	3.63	3.68	3.50	3.16	3.41	3.14
Nevada	4.81	4.84	4.51	4.83	4.79	4.71	4.76	4.62
New Hampshire	8.34	5.74	3.79	3.78	3.66	3.49	3.69	1.79
New Jersey	NA	NA	NA	NA	NA	NA	NA	NA
New Mexico	2.09	2.29	NA	NA	NA	3.39	3.35	3.36
New York	4.94	4.95	4.95	4.84	NA	NA	NA	NA
North Carolina	5.13	4.71	5.60	3.77	3.10	3.03	3.22	3.07
North Dakota	NA	3.17	3.14	3.24	3.00	2.73	2.59	2.77
Ohio	5.73	5.49	5.28	5.11	NA	6.61	5.45	3.45
Oklahoma	4.78	3.96	3.48	3.88	3.32	3.48	3.45	4.73
Oregon	4.31	4.19	3.94	4.08	4.01	3.93	3.94	3.96
Pennsylvania	4.56	4.28	4.12	3.97	3.83	3.77	3.80	3.92
Rhode Island	4.96	4.60	4.62	4.19	2.61	3.33	3.29	3.74
South Carolina	3.52	4.08	3.68	3.74	3.45	3.10	3.22	3.07
South Dakota	3.77	3.69	3.76	3.85	3.51	3.53	3.54	3.26
Tennessee	2.78	2.79	2.90	2.20	4.02	2.69	3.31	3.19
Texas	2.37	3.10	2.74	2.97	2.86	2.53	2.41	NA
Utah	3.69	3.04	2.90	2.93	2.85	2.85	2.86	2.92
Vermont	3.73	3.56	3.39	3.23	3.02	2.83	2.82	2.80
Virginia	4.57	5.83	3.50	3.39	2.92	3.39	3.49	3.40
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	NA	NA	3.25	3.58	3.42	3.05	NA	2.68
Wisconsin	4.27	4.67	3.60	4.07	3.73	3.30	3.53	3.41
Wyoming	3.19	3.16	3.18	3.04	3.30	3.26	3.15	3.14
Total	3.26	3.45	3.21	3.13	3.06	2.90	2.87	^R 2.65

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999				1998			
	April	March	February	January	Total	December	November	October
Alabama	3.24	3.05	3.34	3.24	3.30	3.59	3.32	3.28
Alaska	1.18	1.17	1.18	1.20	1.34	1.22	1.22	1.22
Arizona	3.26	3.71	3.42	3.48	3.26	3.38	3.24	2.99
Arkansas	3.35	3.42	3.48	3.40	3.48	3.78	3.33	3.25
California	3.12	3.09	NA	4.02	3.77	3.70	3.60	2.83
Colorado	2.28	2.16	2.32	2.41	2.61	0.93	1.17	1.22
Connecticut	3.98	4.23	4.39	4.49	4.34	4.55	4.22	3.88
Delaware	4.27	4.00	3.93	4.33	4.13	3.68	3.79	3.70
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.82	3.66	3.92	3.82	3.98	3.74	3.94	3.91
Georgia	^R 2.78	2.76	2.64	2.55	3.92	2.18	2.55	3.20
Hawaii	8.02	8.10	8.07	8.41	—	8.64	—	—
Idaho	3.26	3.14	3.23	3.19	3.09	3.08	3.16	3.02
Illinois	3.17	3.50	3.71	3.81	3.96	3.82	3.63	3.34
Indiana	NA	NA	3.01	NA	4.28	4.06	3.84	3.34
Iowa	3.27	3.33	3.52	3.32	3.49	3.57	3.83	3.71
Kansas	2.97	2.98	3.25	NA	3.17	3.26	3.17	2.86
Kentucky	2.90	3.10	3.35	3.17	4.00	3.97	3.42	3.94
Louisiana	2.37	1.88	1.95	2.12	2.31	1.65	2.35	2.30
Maine	6.11	5.76	6.05	5.20	5.13	6.13	4.97	4.26
Maryland	3.80	^R 4.15	6.65	^R 6.20	5.26	5.22	4.74	4.14
Massachusetts	NA	NA	6.88	4.62	5.69	6.45	5.60	4.23
Michigan	3.69	3.76	3.66	3.92	3.91	3.88	3.53	4.20
Minnesota	2.52	2.67	2.81	2.86	2.88	2.96	2.77	2.63
Mississippi	NA	2.65	3.12	NA	3.22	3.32	2.77	3.05
Missouri	3.97	4.00	NA	4.74	4.51	3.83	4.28	4.02
Montana	4.79	4.79	4.78	3.40	4.68	4.21	4.64	4.84
Nebraska	3.05	3.21	3.12	3.35	3.26	3.33	3.31	2.89
Nevada	4.51	4.45	4.50	4.50	4.74	4.59	4.53	4.39
New Hampshire	2.06	6.42	6.73	6.51	4.66	5.08	4.98	2.89
New Jersey	NA	NA	NA	NA	2.97	2.46	2.58	2.50
New Mexico	NA	3.60	3.58	NA	3.22	0.56	2.69	2.77
New York	NA	NA	NA	NA	4.02	3.05	3.02	2.64
North Carolina	3.09	3.79	3.60	3.63	3.96	4.13	3.91	3.64
North Dakota	2.37	2.47	2.53	2.66	2.82	3.07	2.58	2.45
Ohio	5.17	4.90	5.13	5.42	4.39	4.65	3.69	4.66
Oklahoma	3.28	3.50	3.50	3.45	3.66	3.43	3.33	3.58
Oregon	3.89	3.69	4.37	3.87	3.75	4.23	3.48	3.94
Pennsylvania	4.19	4.41	4.45	4.59	4.15	4.16	3.99	3.83
Rhode Island	3.52	4.32	4.77	5.00	3.82	3.85	3.68	3.93
South Carolina	2.79	2.93	3.15	3.00	3.29	3.31	3.22	3.16
South Dakota	3.02	3.03	3.12	3.13	3.28	3.11	3.13	3.27
Tennessee	3.44	3.33	3.54	3.57	3.94	3.26	4.07	3.44
Texas	2.14	1.98	2.04	2.12	2.35	2.27	2.16	2.12
Utah	2.99	3.31	3.16	2.85	3.00	3.20	3.15	2.94
Vermont	2.74	2.72	2.75	3.00	2.80	2.61	2.30	2.84
Virginia	3.13	3.76	3.88	5.07	4.07	5.16	4.34	3.75
Washington	NA	NA	NA	NA	2.64	2.51	2.44	2.35
West Virginia	NA	NA	2.82	2.40	3.39	3.35	3.30	3.62
Wisconsin	3.86	3.72	3.82	3.90	3.78	3.85	3.90	3.25
Wyoming	2.64	3.81	NA	2.95	3.37	3.38	3.37	3.29
Total	^R 2.81	2.91	2.97	3.07	3.14	2.92	2.95	2.75

^R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Data for 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to industrial consumers

reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000			1999	
				March	February	January	Total	December
Alabama	3.93	2.19	2.66	1.41	2.94	4.94	2.82	3.72
Alaska	1.63	1.70	1.86	1.63	1.64	1.62	1.59	1.57
Arizona	2.84	2.25	2.82	3.01	2.94	2.64	2.67	2.62
Arkansas	2.92	1.92	2.32	2.99	2.86	2.84	2.60	2.60
California	3.14	2.67	2.87	3.38	3.23	2.83	2.76	2.74
Colorado	2.72	2.59	2.75	2.86	2.78	2.51	2.69	2.66
Connecticut	—	2.12	2.73	—	—	—	2.72	3.20
Delaware	4.78	2.85	4.44	5.86	5.87	3.61	2.91	3.81
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.24	2.75	2.45	3.36	3.33	3.03	3.10	2.95
Georgia	4.73	1.64	2.14	3.41	11.20	1.20	2.57	2.85
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	2.93	2.00	2.29	3.11	3.14	2.78	2.40	2.37
Indiana	3.33	2.87	3.23	3.52	3.31	3.29	2.98	3.26
Iowa	3.14	3.37	3.25	3.26	3.19	3.00	3.08	3.14
Kansas	2.71	1.95	2.55	2.92	2.69	2.56	2.37	2.57
Kentucky	3.49	2.75	3.82	4.93	3.59	3.17	3.20	2.93
Louisiana	2.87	2.08	2.54	2.97	2.96	2.71	2.58	2.49
Maine	—	—	—	—	—	—	—	—
Maryland	3.54	3.21	3.36	3.35	3.72	3.84	3.11	3.60
Massachusetts	3.33	2.17	3.25	3.40	3.42	2.98	2.71	3.39
Michigan	2.23	1.42	0.69	3.19	2.06	1.78	1.52	1.58
Minnesota	3.02	2.87	2.72	3.13	3.56	2.62	2.59	3.23
Mississippi	2.79	1.98	2.47	2.84	2.94	2.66	2.47	2.52
Missouri	2.85	2.28	2.62	2.99	2.85	2.75	2.64	2.78
Montana	4.03	2.63	12.18	3.88	3.71	4.13	4.02	1.39
Nebraska	3.12	1.86	3.04	3.31	3.24	2.87	2.74	3.05
Nevada	2.87	2.21	2.28	2.90	2.69	2.99	2.51	2.72
New Hampshire	3.19	—	—	3.19	3.18	—	2.87	—
New Jersey	4.03	2.75	2.89	3.51	4.15	4.98	3.08	3.69
New Mexico	2.58	1.90	2.38	2.66	2.58	2.47	2.31	2.39
New York	3.83	2.54	2.98	3.47	4.20	3.96	2.84	3.14
North Carolina	4.27	3.33	3.92	4.28	4.35	4.21	2.85	4.72
North Dakota	—	—	—	—	—	—	—	—
Ohio	3.95	3.23	3.78	4.03	4.60	3.46	3.04	4.20
Oklahoma	3.22	2.40	3.21	3.20	3.44	3.08	2.78	3.07
Oregon	2.23	1.92	1.14	2.27	2.20	2.22	1.96	2.20
Pennsylvania	3.22	2.98	2.70	3.07	3.35	3.24	3.02	3.08
Rhode Island	—	—	3.33	—	—	—	—	—
South Carolina	6.76	2.98	3.68	4.07	7.47	8.54	3.63	4.06
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	2.72	2.05	2.44	2.83	2.73	2.59	2.51	2.60
Utah	2.90	2.34	—	2.96	2.83	2.86	2.64	2.68
Vermont	3.30	2.49	2.91	3.32	3.33	3.09	3.23	2.92
Virginia	3.42	3.13	3.33	3.21	4.01	3.23	3.19	3.69
Washington	—	—	2.10	—	—	—	—	—
West Virginia	3.74	3.02	5.59	4.10	3.07	4.36	2.98	—
Wisconsin	3.20	2.65	2.81	3.23	3.16	3.22	2.93	2.97
Wyoming	2.81	5.78	8.62	2.94	2.70	2.82	3.88	1.98
Total	2.89	2.24	2.56	2.99	2.95	2.74	2.62	2.68

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	November	October	September	August	July	June	May	April
Alabama	3.09	3.95	3.64	2.28	3.26	2.73	2.70	2.52
Alaska	1.55	1.48	1.40	1.50	1.62	1.59	1.61	1.60
Arizona	3.04	2.96	3.03	2.84	2.56	2.62	2.67	2.22
Arkansas	2.56	2.90	3.06	2.96	2.58	2.49	2.52	2.22
California	3.00	2.98	3.19	3.00	2.71	2.57	2.73	2.42
Colorado	2.84	3.13	2.94	2.52	2.53	3.18	2.60	2.25
Connecticut	3.06	3.02	2.88	2.65	2.59	2.52	2.50	2.54
Delaware	3.70	3.34	3.35	3.06	2.72	2.71	2.53	2.46
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.56	3.22	3.54	3.33	2.98	3.04	3.14	2.66
Georgia	3.65	3.13	2.62	2.66	2.60	2.47	2.58	2.13
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	2.25	3.15	2.86	2.72	2.48	2.44	2.36	2.20
Indiana	4.05	4.56	4.04	2.86	2.82	2.79	3.19	3.14
Iowa	3.12	3.54	3.52	2.94	2.93	2.97	3.01	2.78
Kansas	2.87	2.81	2.73	2.60	2.31	2.35	2.35	2.08
Kentucky	4.25	3.45	3.33	3.26	2.88	3.15	5.12	3.77
Louisiana	3.09	2.87	3.07	2.91	2.55	2.52	2.58	2.25
Maine	—	—	—	—	—	—	—	—
Maryland	3.68	3.25	3.29	3.44	2.98	2.88	3.27	2.55
Massachusetts	2.88	3.10	2.99	2.99	2.73	2.75	2.58	2.26
Michigan	1.69	0.96	1.19	1.55	1.92	1.79	1.74	1.09
Minnesota	4.20	3.52	3.08	1.93	2.60	2.48	2.32	2.31
Mississippi	2.56	2.82	2.79	2.79	2.43	2.43	2.45	2.30
Missouri	3.00	3.06	2.81	2.91	2.54	2.48	2.41	2.31
Montana	1.44	2.48	5.15	6.14	4.20	4.40	10.99	5.69
Nebraska	4.18	2.89	3.05	3.24	2.59	2.63	2.72	2.46
Nevada	2.78	2.68	2.78	2.49	2.43	2.46	2.43	2.55
New Hampshire	—	—	3.02	3.02	2.43	2.44	—	—
New Jersey	3.08	3.35	3.24	3.37	2.97	2.88	2.85	2.94
New Mexico	2.40	2.58	2.69	2.68	2.30	2.31	2.22	2.05
New York	3.19	3.28	3.20	3.05	2.80	2.72	2.71	2.49
North Carolina	4.70	3.61	3.11	3.09	2.56	2.70	2.71	3.31
North Dakota	—	—	—	—	—	—	—	—
Ohio	3.11	3.11	2.91	2.98	3.34	2.99	2.42	2.06
Oklahoma	3.43	3.15	3.18	2.94	2.65	2.59	2.66	2.58
Oregon	2.26	2.00	1.83	1.66	1.78	1.99	1.91	1.79
Pennsylvania	3.15	3.09	2.95	3.12	3.40	2.36	3.18	2.55
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	3.80	3.84	3.99	3.85	3.47	3.70	3.46	2.94
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	2.94	2.76	2.88	2.83	2.44	2.40	2.44	2.17
Utah	3.14	3.12	2.85	2.67	2.39	2.43	2.36	2.36
Vermont	3.78	2.17	3.25	3.31	—	2.94	3.03	2.56
Virginia	3.96	4.29	3.35	3.42	2.78	3.39	2.89	2.79
Washington	—	—	—	—	—	—	—	—
West Virginia	2.95	2.88	2.91	2.93	3.13	3.08	2.81	3.12
Wisconsin	3.44	3.29	3.45	2.99	2.90	2.80	2.92	2.63
Wyoming	2.39	3.95	5.75	4.59	3.14	2.60	6.59	13.06
Total	3.01	2.83	2.98	2.86	2.58	2.53	2.57	2.29

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 1998-2000
(Dollars per Thousand Cubic Feet) — Continued

State	1999			1998				
	March	February	January	Total	December	November	October	September
Alabama	2.25	2.07	2.22	2.58	2.68	2.47	2.62	2.46
Alaska	1.72	1.70	1.68	1.80	1.72	1.74	1.72	1.73
Arizona	2.13	2.29	2.32	2.42	2.38	2.77	2.11	2.33
Arkansas	1.88	1.94	2.04	2.29	2.35	—	2.25	2.15
California	2.75	2.55	2.70	2.79	2.96	2.86	2.56	2.50
Colorado	2.18	2.24	3.26	2.98	3.33	3.15	2.71	2.82
Connecticut	2.12	2.02	2.11	2.44	1.90	2.45	2.07	2.22
Delaware	2.46	2.98	3.34	2.89	3.34	3.24	2.66	2.41
District of Columbia	—	—	—	—	—	—	—	—
Florida	2.58	2.86	2.86	2.27	1.39	2.30	2.30	2.18
Georgia	1.37	2.15	4.83	3.21	2.11	2.67	3.80	4.00
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	1.86	1.81	2.27	2.25	2.12	2.31	2.20	2.01
Indiana	2.71	2.78	2.99	2.88	3.36	2.86	3.23	2.74
Iowa	3.13	3.45	3.56	3.07	3.38	3.11	2.93	2.91
Kansas	1.80	1.96	2.24	2.14	2.21	2.25	2.03	1.87
Kentucky	3.33	2.99	2.51	3.40	2.90	3.11	2.85	2.42
Louisiana	2.01	2.09	2.13	2.37	2.16	2.32	2.25	2.12
Maine	—	—	—	—	—	—	—	—
Maryland	2.60	3.46	3.52	2.75	2.64	3.85	3.13	2.53
Massachusetts	2.10	2.13	2.43	2.78	2.26	2.44	2.28	2.13
Michigan	0.88	1.33	2.07	1.24	1.25	1.10	1.46	1.67
Minnesota	2.56	3.49	3.02	2.36	3.43	2.69	2.32	2.00
Mississippi	1.91	1.95	2.05	2.31	1.97	2.28	2.21	2.16
Missouri	2.16	2.29	2.34	2.26	2.31	2.32	2.14	2.13
Montana	7.37	5.20	2.04	2.06	1.48	1.37	1.30	1.02
Nebraska	1.37	2.79	2.28	2.40	2.92	2.81	2.10	1.93
Nevada	2.07	2.40	2.20	2.38	2.01	2.61	2.33	2.42
New Hampshire	—	—	—	—	—	—	—	—
New Jersey	2.46	2.76	2.95	2.74	2.44	3.11	2.74	2.56
New Mexico	1.79	1.89	2.03	2.22	2.14	2.34	2.02	1.90
New York	2.37	2.55	2.80	2.57	2.43	2.80	2.30	2.21
North Carolina	3.32	3.33	3.34	2.81	3.93	3.59	3.00	2.53
North Dakota	—	—	—	—	—	—	—	—
Ohio	2.99	3.32	3.88	3.24	3.88	4.36	3.88	4.09
Oklahoma	2.28	2.55	2.44	2.48	2.28	2.50	2.41	2.16
Oregon	1.67	1.83	2.01	1.56	1.92	1.88	1.63	1.48
Pennsylvania	3.02	2.98	2.94	3.26	4.88	6.91	2.50	3.74
Rhode Island	—	—	—	3.38	—	—	—	—
South Carolina	3.02	2.86	3.00	3.62	4.05	3.71	3.21	3.37
South Dakota	—	—	—	1.77	—	—	—	1.77
Tennessee	—	—	—	—	—	—	—	—
Texas	1.99	2.09	2.10	2.30	2.24	2.25	2.16	2.05
Utah	2.56	2.19	2.24	2.11	2.45	2.42	2.20	1.95
Vermont	2.44	2.47	2.55	2.90	2.87	2.84	2.86	2.54
Virginia	3.09	3.12	3.18	3.10	4.03	3.72	3.09	2.76
Washington	—	—	—	3.44	—	—	—	—
West Virginia	2.96	2.93	3.19	3.29	3.02	3.25	1.20	2.94
Wisconsin	2.51	2.79	2.64	2.67	2.73	2.63	2.42	2.31
Wyoming	6.02	4.83	6.92	8.31	11.18	14.27	5.33	6.64
Total	2.15	2.26	2.32	2.40	2.22	2.37	2.22	2.15

^a Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

— Not Applicable.

Notes: Data for 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District

of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Sources: Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000

State	YTD 2000		YTD 1999		YTD 1998		2000	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	April	
							Commercial	Industrial
Alabama	79.3	16.4	78.0	16.1	83.4	25.9	73.7	16.5
Alaska	72.1	92.8	53.5	99.9	51.4	100.0	73.7	99.9
Arizona	83.0	40.1	84.6	30.8	86.7	31.8	81.5	38.3
Arkansas	NA	16.3	91.5	9.8	94.7	10.3	NA	18.1
California	58.3	7.0	60.7	12.0	63.6	10.8	56.5	6.2
Colorado	NA	NA	NA	5.9	95.6	11.6	NA	NA
Connecticut	78.1	43.3	69.6	60.4	73.1	57.9	77.1	30.6
Delaware	98.1	13.7	100.0	20.7	100.0	27.6	98.6	11.0
District of Columbia	43.2	—	52.4	—	58.6	—	34.2	—
Florida	66.0	2.8	91.0	3.7	97.1	7.7	64.4	4.1
Georgia	12.2	28.0	81.9	13.4	89.7	31.1	15.0	30.5
Hawaii	100.0	100.0	100.0	100.0	100.0	—	100.0	100.0
Idaho	88.7	3.3	88.4	3.0	88.8	2.4	88.1	2.8
Illinois	44.2	9.6	45.9	10.1	53.0	10.9	40.4	7.4
Indiana	NA	7.9	NA	NA	84.6	12.7	79.6	8.0
Iowa	83.5	7.2	84.9	7.8	87.8	7.0	77.1	5.5
Kansas	75.7	5.6	NA	NA	75.2	7.1	80.2	6.0
Kentucky	86.9	14.0	88.8	16.9	89.7	17.4	84.2	14.2
Louisiana	95.5	8.7	96.3	7.3	95.1	7.8	96.8	7.1
Maine	NA	55.9	100.0	87.0	100.0	90.0	100.0	55.1
Maryland	41.6	16.2	NA	6.5	44.6	6.8	27.5	1.4
Massachusetts	NA	NA	NA	NA	59.4	16.1	NA	NA
Michigan	62.0	9.3	64.1	13.2	66.4	11.4	56.0	9.3
Minnesota	NA	37.9	96.2	36.9	97.7	42.1	96.1	39.6
Mississippi	NA	NA	NA	NA	94.0	38.3	NA	NA
Missouri	83.0	18.0	82.7	24.7	84.4	22.7	78.9	15.3
Montana	80.7	2.5	81.4	1.9	81.9	2.4	77.0	0.1
Nebraska	61.3	18.4	63.3	25.2	77.8	18.7	55.7	15.4
Nevada	61.8	8.3	68.6	11.1	76.0	2.2	53.6	19.2
New Hampshire	NA	NA	95.0	23.9	95.2	37.3	85.7	38.2
New Jersey	NA	NA	NA	NA	64.2	47.0	NA	NA
New Mexico	58.3	14.3	59.8	NA	69.8	4.9	29.9	12.7
New York	NA	NA	NA	NA	57.3	6.3	NA	NA
North Carolina	94.9	40.2	95.8	39.2	93.6	35.2	99.8	59.6
North Dakota	NA	19.1	88.6	14.7	85.6	17.2	72.0	13.3
Ohio	43.5	3.3	49.1	3.3	60.3	6.4	41.7	2.2
Oklahoma	80.8	8.3	79.9	4.6	78.9	5.7	74.2	7.7
Oregon	99.3	14.4	98.9	16.1	99.2	16.1	99.1	16.7
Pennsylvania	60.6	10.3	58.5	12.2	58.7	14.3	62.2	10.0
Rhode Island	58.2	9.8	59.7	6.7	64.4	8.6	49.5	100.0
South Carolina	98.4	83.0	97.3	84.1	98.5	85.3	100.0	87.2
South Dakota	82.1	45.7	84.8	48.0	87.3	47.3	95.7	44.1
Tennessee	93.1	32.6	88.0	24.5	93.0	36.1	90.7	31.1
Texas	79.9	22.4	78.9	15.3	83.7	14.5	80.1	17.3
Utah	85.7	9.6	84.6	9.8	84.9	7.9	79.4	92.0
Vermont	100.0	82.8	100.0	80.5	100.0	100.0	100.0	81.5
Virginia	69.1	NA	67.9	14.6	75.3	15.6	64.8	NA
Washington	NA	NA	NA	NA	88.7	20.7	NA	NA
West Virginia	57.6	2.9	54.4	NA	57.2	6.4	49.3	2.7
Wisconsin	82.5	20.2	77.7	23.1	81.8	25.9	79.1	18.9
Wyoming	89.9	1.6	93.1	NA	90.1	1.8	93.3	1.5
Total	67.7	17.6	69.4	15.7	72.3	16.7	65.8	15.5

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	2000						1999	
	March		February		January		Total	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	76.3	14.9	83.6	18.1	79.5	17.0	64.4	15.1
Alaska	74.8	99.8	71.1	99.8	69.6	99.8	56.6	99.1
Arizona	82.7	38.7	83.1	40.8	84.5	42.0	82.7	^R 36.6
Arkansas	NA	15.4	NA	14.8	NA	17.1	NA	NA
California	58.7	6.1	59.8	7.0	58.0	6.4	55.5	8.6
Colorado	NA	NA	NA	0.4	NA	NA	NA	NA
Connecticut	79.4	45.9	80.8	52.9	73.9	43.3	62.7	55.8
Delaware	97.2	17.2	98.2	11.8	98.2	14.5	100.0	^R 16.4
District of Columbia	37.4	—	49.3	—	48.9	—	NA	—
Florida	65.8	3.2	67.6	2.5	65.8	3.8	91.2	3.1
Georgia	^R 15.8	^R 29.4	^R 13.5	^R 31.8	^R 8.8	^R 26.3	NA	^R 14.4
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	87.7	3.6	89.1	3.7	89.5	3.3	86.0	2.7
Illinois	44.1	8.0	45.5	9.9	44.8	10.7	41.6	8.2
Indiana	NA	^R 8.4	NA	^R 6.7	NA	^R 9.3	NA	NA
Iowa	83.8	8.7	84.2	8.0	85.6	8.4	83.1	7.4
Kansas	74.9	7.6	77.1	5.0	72.6	4.3	NA	NA
Kentucky	84.5	14.2	88.5	12.2	87.8	15.5	86.0	16.6
Louisiana	95.2	8.2	96.6	7.9	93.8	8.2	96.0	7.6
Maine	NA	^R 57.1	100.0	^R 55.1	100.0	^R 56.3	100.0	82.1
Maryland	35.1	6.1	41.2	7.1	60.5	26.1	NA	^R 5.1
Massachusetts	NA	NA						
Michigan	61.0	10.1	64.5	13.8	63.7	12.5	58.2	8.2
Minnesota	95.9	38.9	95.1	^R 34.2	NA	^R 39.7	95.5	NA
Mississippi	96.0	42.7	96.7	46.6	98.8	29.3	NA	NA
Missouri	81.7	16.4	85.5	17.1	83.3	23.1	77.1	18.1
Montana	81.9	0.2	82.9	0.2	79.7	0.2	81.0	1.7
Nebraska	58.9	^R 17.1	66.0	19.9	61.9	19.3	64.5	19.4
Nevada	60.6	26.5	62.5	26.9	67.3	31.4	62.0	8.4
New Hampshire	NA	NA	94.9	^R 32.7	93.9	^R 28.0	NA	26.1
New Jersey	NA	NA	NA	NA	50.5	82.2	NA	NA
New Mexico	61.4	14.0	62.7	13.9	63.8	9.0	^R 57.6	NA
New York	NA	NA	NA	33.6	NA	46.0	NA	NA
North Carolina	91.6	27.9	93.1	40.2	97.2	30.8	93.4	44.3
North Dakota	89.4	18.3	89.2	25.7	NA	22.8	NA	NA
Ohio	39.7	2.6	45.2	3.5	45.5	3.4	NA	NA
Oklahoma	77.4	8.3	83.4	9.1	84.3	9.4	73.3	3.7
Oregon	99.2	19.4	99.4	19.9	99.4	18.3	98.8	13.7
Pennsylvania	61.5	9.1	59.7	9.5	60.1	10.5	56.1	11.2
Rhode Island	60.7	100.0	62.7	100.0	57.1	100.0	53.1	6.5
South Carolina	95.6	80.1	99.8	82.6	98.0	80.3	96.7	^R 84.5
South Dakota	68.6	45.5	84.6	44.8	85.2	48.2	81.2	36.9
Tennessee	92.8	31.7	91.9	31.9	95.3	35.4	^R 85.4	29.0
Texas	81.1	20.0	86.1	19.2	74.2	25.3	75.7	NA
Utah	84.2	94.9	88.6	94.5	87.1	93.2	82.9	9.8
Vermont	100.0	80.8	100.0	83.0	100.0	87.4	100.0	75.9
Virginia	65.1	18.8	69.1	17.1	74.2	20.7	65.8	11.0
Washington	NA	NA						
West Virginia	^R 48.1	^R 2.8	^R 71.0	^R 2.7	57.3	3.2	NA	NA
Wisconsin	81.4	19.3	83.5	20.6	84.0	22.6	^R 74.9	20.6
Wyoming	87.5	2.2	92.8	1.7	87.7	1.1	88.2	NA
Total	^R 65.7	^R 17.3	^R 70.0	^R 18.2	^R 68.3	^R 19.2	^R 65.1	16.9

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	1999							
	December		November		October		September	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	62.9	15.1	51.5	14.3	45.0	14.1	48.8	14.4
Alaska	62.2	97.5	61.9	97.6	54.8	97.4	56.7	100.0
Arizona	81.8	43.9	81.8	46.3	79.0	39.0	78.6	40.8
Arkansas	100.0	16.7	NA	10.3	NA	13.1	NA	9.9
California	56.5	9.0	52.8	7.6	53.9	8.0	49.9	10.6
Colorado	96.5	0.3	96.3	0.4	NA	0.5	92.8	1.8
Connecticut	62.2	52.2	58.3	53.2	56.5	54.5	51.9	59.3
Delaware	100.0	12.4	100.0	13.4	100.0	9.1	100.0	10.1
District of Columbia	—	—	43.8	—	36.8	—	32.4	—
Florida	90.8	3.2	87.2	2.8	91.5	2.8	92.7	2.4
Georgia	^R 7.8	^R 23.5	9.1	^R 16.4	12.1	^R 16.8	33.0	^R 11.1
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	85.6	2.5	82.5	2.5	79.0	2.1	80.4	2.1
Illinois	42.0	9.0	38.3	8.4	38.6	6.3	34.5	7.2
Indiana	NA	7.5	NA	6.3	63.4	7.4	63.4	7.6
Iowa	83.4	8.8	82.9	7.2	79.4	7.3	71.6	7.2
Kansas	58.5	4.6	52.7	7.7	57.6	7.7	64.4	14.5
Kentucky	89.2	18.1	84.7	15.6	83.0	18.1	82.6	15.7
Louisiana	93.7	7.6	96.2	9.3	95.4	8.0	95.8	8.4
Maine	100.0	80.4	100.0	87.1	100.0	77.5	100.0	87.1
Maryland	35.6	5.8	28.6	^R 8.2	25.5	4.3	23.6	4.2
Massachusetts	NA	NA	NA	NA	NA	NA	NA	NA
Michigan	62.7	10.1	56.3	8.7	48.7	5.9	40.1	4.9
Minnesota	95.2	NA	91.9	40.3	98.1	44.5	96.3	37.4
Mississippi	95.6	32.1	95.0	34.1	93.5	33.2	94.0	34.5
Missouri	79.1	22.2	70.9	16.1	69.3	12.9	64.7	12.7
Montana	85.5	2.7	82.0	2.6	80.3	1.5	75.3	0.8
Nebraska	69.3	27.1	69.0	23.7	78.4	17.2	60.2	13.7
Nevada	66.1	30.1	56.3	24.5	54.6	24.5	50.2	16.8
New Hampshire	92.4	30.6	93.4	31.4	90.6	28.5	89.6	27.5
New Jersey	NA	NA	NA	NA	NA	NA	NA	NA
New Mexico	^R 65.5	20.3	65.4	19.0	60.2	NA	49.4	NA
New York	NA	27.3	NA	26.7	NA	27.8	NA	29.0
North Carolina	89.8	24.9	98.7	55.4	84.1	31.0	99.2	63.7
North Dakota	NA	NA	NA	12.7	88.9	26.5	82.6	12.0
Ohio	46.3	2.7	36.9	1.7	36.5	1.5	31.6	1.0
Oklahoma	79.0	6.2	71.7	3.4	63.8	2.9	53.9	3.4
Oregon	99.1	11.7	99.0	12.0	98.2	12.0	98.3	12.2
Pennsylvania	59.7	11.8	52.6	11.3	46.9	9.9	49.2	9.3
Rhode Island	70.0	27.3	34.9	27.4	43.6	26.8	39.9	24.7
South Carolina	95.3	82.4	100.0	88.4	93.4	82.3	99.9	88.1
South Dakota	83.4	40.8	80.4	37.5	75.6	25.5	71.5	26.2
Tennessee	91.5	40.0	89.7	36.3	78.7	34.3	^R 80.7	34.8
Texas	77.6	24.3	69.4	18.6	72.3	22.0	72.8	17.1
Utah	86.9	6.9	82.8	11.4	79.9	11.0	75.4	9.8
Vermont	100.0	80.3	100.0	77.1	100.0	75.2	100.0	69.8
Virginia	71.8	13.2	65.7	12.3	61.2	11.8	59.3	10.1
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	NA	NA	47.0	NA	39.6	13.0	32.5	12.8
Wisconsin	80.5	23.0	73.9	20.1	71.6	20.7	^R 68.4	16.2
Wyoming	85.9	2.3	81.2	2.2	82.2	3.2	83.9	2.3
Total	^R 65.6	18.6	62.6	^R 17.6	59.8	^R 17.3	^R 57.4	^R 17.1

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	1999							
	August		July		June		May	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	47.0	14.2	50.9	14.7	53.4	15.3	67.4	15.0
Alaska	55.9	99.9	56.3	98.4	57.4	100.0	58.9	99.9
Arizona	78.7	34.1	83.0	^R 35.6	82.1	37.2	82.5	42.3
Arkansas	86.7	8.2	83.6	7.9	NA	NA	NA	8.6
California	37.8	7.5	52.6	8.8	60.7	10.1	49.8	12.7
Colorado	NA	2.9	92.1	NA	95.8	0.6	96.7	0.6
Connecticut	51.6	54.7	55.4	54.7	56.8	62.3	53.6	55.2
Delaware	100.0	^R 15.3	100.0	^R 15.1	100.0	16.4	100.0	22.4
District of Columbia	31.7	—	NA	—	33.9	—	39.4	—
Florida	92.4	2.8	92.4	2.7	94.0	3.2	91.6	4.2
Georgia	67.8	^R 21.2	66.6	^R 15.5	67.8	10.9	NA	^R 13.9
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	82.0	3.4	83.7	2.8	83.3	2.8	85.5	2.3
Illinois	24.5	5.1	26.3	5.3	33.7	6.7	34.9	6.6
Indiana	62.5	4.9	52.3	8.1	70.4	8.0	73.2	NA
Iowa	75.0	7.1	72.2	7.1	76.4	5.9	93.5	5.9
Kansas	53.7	14.9	52.3	12.4	55.9	6.6	68.4	NA
Kentucky	59.9	16.9	79.7	16.1	80.4	12.9	84.4	16.5
Louisiana	96.4	7.9	96.1	7.3	97.1	6.7	96.6	6.6
Maine	100.0	74.5	100.0	72.0	100.0	87.9	100.0	74.6
Maryland	24.3	4.0	23.9	3.9	23.3	4.9	NA	3.4
Massachusetts	NA	38.3	NA	NA	44.2	NA	54.1	41.5
Michigan	32.0	4.4	37.5	4.5	39.5	4.9	47.1	7.2
Minnesota	89.4	34.3	96.7	36.7	92.1	43.8	96.6	29.3
Mississippi	93.8	33.0	94.1	33.4	94.4	35.2	95.8	38.1
Missouri	65.5	11.7	47.4	11.0	71.0	13.6	75.8	14.0
Montana	68.5	0.5	70.1	1.0	67.9	0.4	92.8	1.7
Nebraska	86.4	12.5	68.6	9.0	63.2	18.1	49.5	22.4
Nevada	50.7	17.1	51.1	18.1	55.6	18.7	60.2	18.7
New Hampshire	88.2	26.3	86.6	26.3	89.4	23.2	NA	26.2
New Jersey	NA	NA	NA	NA	NA	NA	NA	NA
New Mexico	40.9	NA	48.7	5.7	54.3	5.9	41.6	4.9
New York	NA	NA	NA	NA	NA	NA	NA	NA
North Carolina	87.0	48.9	87.4	56.1	88.0	49.9	89.9	50.0
North Dakota	77.9	11.6	79.6	10.9	77.0	16.4	85.3	6.0
Ohio	NA	NA	30.8	0.6	30.1	1.1	34.5	1.8
Oklahoma	60.6	2.5	57.6	2.3	24.2	2.3	68.1	3.0
Oregon	98.5	11.8	98.8	12.2	98.5	14.1	98.7	14.1
Pennsylvania	45.2	9.4	53.6	10.7	50.3	11.0	59.1	11.8
Rhode Island	16.4	36.2	44.1	28.7	46.8	32.0	48.9	31.4
South Carolina	94.6	81.7	94.7	87.0	94.9	81.2	95.4	86.1
South Dakota	69.8	20.3	73.9	20.7	60.2	33.2	78.7	38.8
Tennessee	76.1	21.3	74.1	28.3	^R 76.7	27.0	77.6	26.4
Texas	74.4	33.3	72.5	25.4	72.4	21.4	74.4	NA
Utah	74.4	9.2	76.0	8.7	72.9	14.8	80.1	8.7
Vermont	100.0	66.5	100.0	68.6	100.0	68.7	100.0	68.8
Virginia	57.7	5.4	62.5	9.4	56.6	6.8	60.4	9.4
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	26.4	12.4	33.9	12.2	31.6	NA	35.8	11.8
Wisconsin	^R 69.1	15.8	^R 65.7	18.8	51.4	19.9	62.8	18.3
Wyoming	65.7	2.7	82.0	3.3	83.8	3.6	87.5	3.6
Total	^R 54.6	^R 18.5	^R 57.9	17.4	^R 59.7	16.8	60.9	17.1

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	1999							
	April		March		February		January	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	76.0	15.2	76.3	15.9	77.4	16.1	81.0	18.4
Alaska	53.5	99.9	57.5	99.9	53.8	99.9	59.8	99.9
Arizona	82.5	30.5	84.6	26.3	84.6	34.0	86.3	32.3
Arkansas	89.6	8.7	90.1	9.6	91.4	10.6	93.3	11.7
California	61.3	12.7	59.5	13.4	59.1	14.4	62.3	11.8
Colorado	NA	0.8	96.7	0.4	93.2	0.3	97.1	0.1
Connecticut	72.9	64.0	67.4	58.6	69.7	67.0	69.6	60.4
Delaware	100.0	17.6	100.0	22.7	100.0	24.0	100.0	18.1
District of Columbia	43.5	—	53.8	—	52.4	—	58.2	—
Florida	92.0	3.4	90.2	4.2	90.9	4.0	91.5	3.6
Georgia	82.0	^R 17.1	83.0	13.5	81.6	11.3	85.4	10.1
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	87.0	2.6	87.8	2.8	88.8	3.1	89.4	3.6
Illinois	40.9	10.3	47.7	9.1	46.1	10.0	46.9	10.9
Indiana	74.8	NA	NA	NA	79.3	9.2	79.9	NA
Iowa	77.2	6.2	87.3	7.5	84.7	8.0	86.7	9.2
Kansas	69.1	4.9	NA	5.0	NA	5.4	NA	NA
Kentucky	83.9	16.3	88.8	16.6	89.2	18.0	90.3	16.9
Louisiana	97.2	6.5	96.2	7.5	95.9	7.8	96.2	7.5
Maine	100.0	75.1	100.0	80.7	100.0	97.3	100.0	93.8
Maryland	25.1	1.6	NA	^R 10.7	NA	6.5	39.3	^R 7.7
Massachusetts	46.8	NA	67.0	NA	NA	32.3	78.5	28.3
Michigan	58.0	14.2	63.3	16.2	64.5	17.3	67.3	16.2
Minnesota	91.7	37.1	96.5	39.3	96.5	33.8	96.6	37.9
Mississippi	NA	NA	88.4	34.9	96.9	38.2	NA	NA
Missouri	81.4	17.2	83.3	24.6	79.1	33.9	85.5	26.3
Montana	77.3	1.7	78.1	1.8	80.1	1.7	83.5	2.4
Nebraska	65.0	24.9	67.6	23.8	63.5	28.7	59.8	23.5
Nevada	63.2	25.4	67.7	28.0	69.2	30.9	72.6	31.4
New Hampshire	94.2	27.2	94.5	19.6	95.3	24.1	95.5	24.2
New Jersey	NA	NA	NA	NA	NA	NA	NA	NA
New Mexico	58.5	NA	58.1	4.2	52.8	3.6	66.7	NA
New York	NA	NA	NA	NA	NA	NA	NA	NA
North Carolina	90.7	42.0	97.0	37.6	96.6	36.4	97.0	41.1
North Dakota	86.8	14.5	89.7	13.7	83.6	13.6	92.4	18.4
Ohio	38.7	2.0	48.5	3.6	47.1	3.6	57.0	4.1
Oklahoma	75.7	3.5	79.2	4.3	78.9	5.1	83.2	5.7
Oregon	98.7	15.1	98.7	16.5	99.0	15.8	99.1	16.9
Pennsylvania	56.1	11.1	61.4	12.5	56.4	11.1	66.5	14.6
Rhode Island	56.2	38.8	60.4	50.1	61.5	30.8	59.4	24.4
South Carolina	96.3	^R 85.5	97.4	83.3	97.8	83.0	97.6	84.8
South Dakota	83.2	41.8	84.3	47.4	84.1	50.0	86.6	51.8
Tennessee	^R 85.8	21.8	83.9	27.4	84.8	23.3	^R 92.6	25.4
Texas	75.7	20.5	78.2	16.3	81.3	13.0	71.0	13.8
Utah	83.0	8.0	82.8	8.3	85.7	10.8	85.8	12.2
Vermont	100.0	76.3	100.0	82.2	100.0	81.5	100.0	81.4
Virginia	55.7	9.3	65.8	17.5	68.2	15.4	76.4	18.0
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	51.4	NA	54.2	NA	54.8	10.1	49.9	5.4
Wisconsin	70.9	21.3	76.6	21.9	78.8	22.7	80.6	25.4
Wyoming	88.6	2.5	88.1	2.6	97.4	NA	96.5	3.3
Total	^R 64.6	^R 15.9	68.7	16.0	69.1	15.5	^R 72.8	15.4

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	1998							
	Total		December		November		October	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	80.5	23.3	75.4	20.5	73.6	23.3	71.5	21.7
Alaska	49.6	99.4	48.8	100.0	51.1	100.0	48.7	100.0
Arizona	85.0	33.5	84.0	33.6	82.9	35.3	79.9	36.7
Arkansas	90.8	9.5	89.0	9.0	86.1	10.2	81.5	10.4
California	48.9	10.4	49.2	11.1	38.8	10.5	37.5	11.1
Colorado	94.3	7.6	95.2	3.3	94.0	4.7	87.5	6.6
Connecticut	68.7	55.8	62.6	61.5	76.1	56.0	61.3	51.9
Delaware	100.0	22.4	100.0	24.8	100.0	23.2	100.0	18.2
District of Columbia	52.3	—	59.7	—	50.2	—	37.8	—
Florida	96.6	7.3	96.0	6.4	95.6	5.8	96.0	5.6
Georgia	83.6	25.3	79.2	22.2	77.4	19.2	74.6	19.6
Hawaii	100.0	100.0	100.0	100.0	100.0	—	100.0	—
Idaho	86.4	2.6	86.1	3.6	83.9	2.2	75.3	2.6
Illinois	47.4	9.3	45.2	12.3	44.8	10.0	40.7	9.0
Indiana	79.2	9.3	82.6	8.6	74.5	8.9	69.0	8.1
Iowa	85.8	6.8	89.4	10.0	84.0	9.7	77.4	6.8
Kansas	69.5	9.9	61.0	5.7	62.1	5.7	60.3	7.2
Kentucky	87.5	17.8	88.6	23.6	87.1	20.9	82.3	15.9
Louisiana	94.6	9.3	92.2	20.6	94.3	9.6	93.9	8.8
Maine	100.0	87.4	100.0	84.4	100.0	87.3	100.0	87.0
Maryland	36.7	7.0	37.7	10.3	38.3	9.5	25.2	8.6
Massachusetts	57.9	26.3	82.1	25.7	57.8	28.5	45.1	27.8
Michigan	59.7	10.8	64.7	12.0	57.9	10.9	47.8	6.5
Minnesota	97.6	39.7	96.8	39.9	95.9	40.4	97.9	37.1
Mississippi	94.8	37.6	96.3	38.6	95.5	38.6	95.3	37.4
Missouri	78.3	18.2	79.2	21.9	74.5	18.3	66.6	12.8
Montana	77.1	1.5	77.0	1.5	74.9	1.4	70.5	1.0
Nebraska	72.5	12.7	51.5	20.6	66.5	14.1	80.4	13.0
Nevada	70.3	15.5	69.9	33.2	63.6	27.5	62.6	25.5
New Hampshire	94.1	30.7	95.3	24.4	95.5	21.9	93.1	21.5
New Jersey	60.5	49.5	59.7	59.4	60.2	55.3	53.3	52.7
New Mexico	67.0	9.8	79.0	4.6	70.4	11.0	58.3	8.9
New York	53.2	8.3	56.7	12.0	53.3	7.7	50.2	10.7
North Carolina	90.6	32.1	90.2	32.7	87.5	34.1	83.2	27.1
North Dakota	83.8	14.6	87.2	18.5	86.2	18.8	80.7	20.5
Ohio	55.1	4.3	50.3	5.2	50.7	4.3	56.3	2.6
Oklahoma	73.2	3.6	71.3	4.9	65.7	3.7	60.5	1.9
Oregon	99.0	14.3	99.1	14.4	99.0	15.1	98.4	11.8
Pennsylvania	56.9	13.1	59.0	13.2	57.1	13.1	53.1	11.3
Rhode Island	59.3	7.4	52.5	7.6	52.2	8.8	48.1	6.6
South Carolina	97.9	86.7	97.1	86.5	96.9	86.5	96.9	87.4
South Dakota	84.2	35.6	84.6	46.5	84.5	45.3	95.8	40.1
Tennessee	87.3	33.1	89.5	33.6	86.9	32.9	76.2	21.4
Texas	81.0	14.1	83.4	12.7	84.4	13.4	71.8	14.9
Utah	82.5	8.6	85.2	9.7	82.2	10.5	80.1	9.9
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	72.1	12.8	75.8	15.9	72.1	16.9	63.5	9.5
Washington	86.8	20.1	88.3	25.4	85.0	21.4	85.8	31.6
West Virginia	49.5	6.3	55.3	7.4	50.0	6.6	38.6	5.9
Wisconsin	74.0	22.0	79.2	23.8	74.9	24.4	71.1	19.0
Wyoming	90.5	2.0	97.9	2.1	87.7	2.0	83.8	2.2
Total	67.0	16.1	68.3	17.2	64.5	15.7	59.2	14.8

^R Revised Data.

^{NA} Not Available.

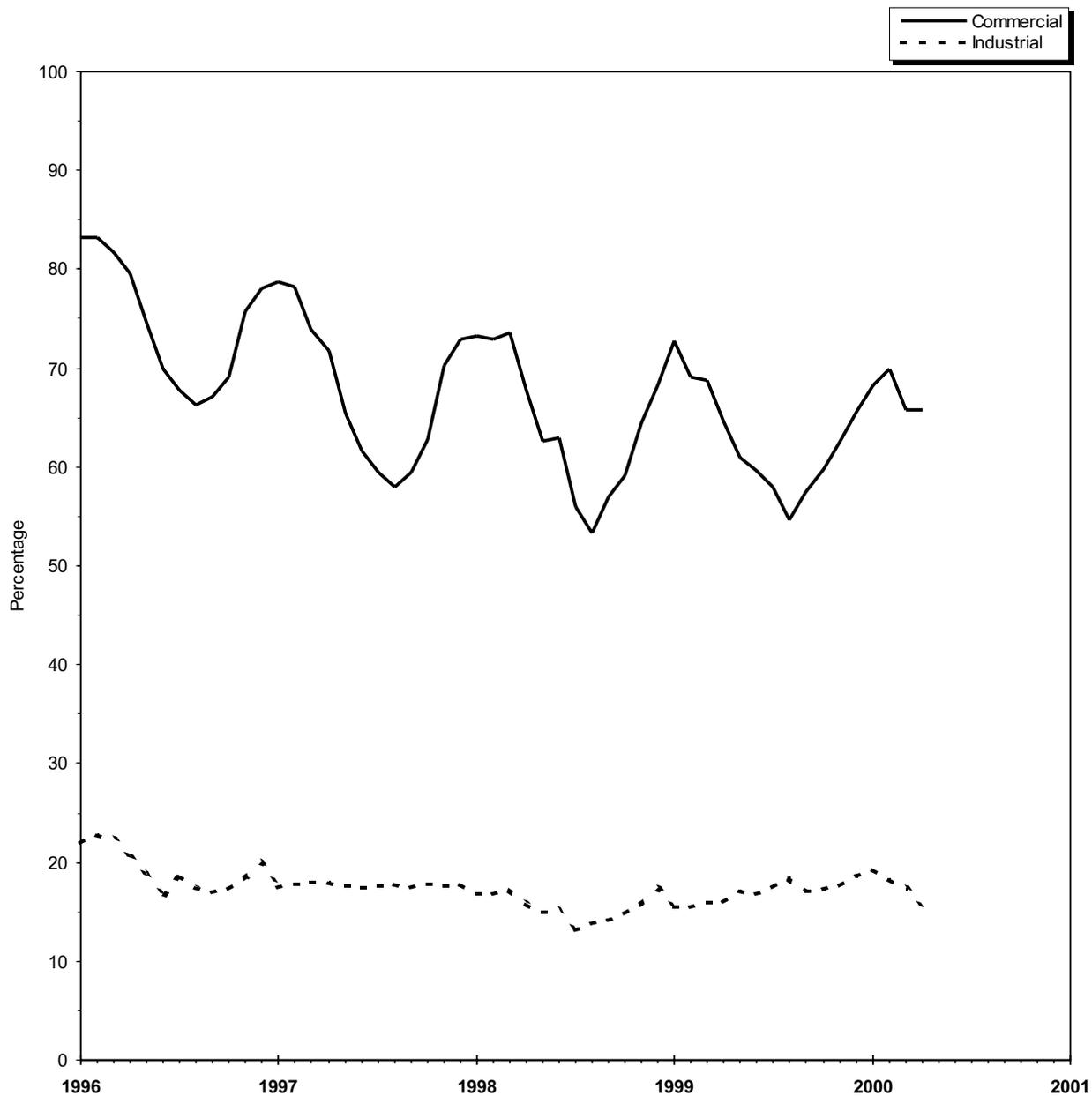
— Not Applicable.

Notes: Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and

industrial sectors. This information may be helpful in evaluating commercial and industrial price data which are based on sales data only. See Appendix C, Statistical Considerations, for a discussion of the computation of natural gas prices.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Figure 6. Percentage of Total Deliveries Represented by Onsystem Sales, 1996-2000



Sources: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Appendix A

Explanatory Notes

The Energy Information Administration (EIA) publishes monthly data for the supply and disposition of natural gas in the United States in the *Natural Gas Monthly* (NGM). The information in this Appendix is provided to assist users in evaluating the monthly data. There is a brief description of what data are estimated and what data are taken from submitted reports, followed by ten technical notes that provide important information for individual data series.

The monthly data are preliminary when initially published. Data shown in this report for the most current months are taken from the EIA Short-Term Integrated Forecasting System (STIFS) model computations. Each month, EIA staff review the STIFS model estimates and adjust them, if necessary, based on their knowledge of new developments in the natural gas industry. Data for prior months are estimated or taken from submitted reports.

Table A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data

Components	Reporting Methodology
Supply and Disposition	
Marketed Production	Reported on Form EIA-895 and Estimated from Historical Data
Extraction Loss	Derived from Marketed Production
Dry Production	Marketed Production minus Extraction Loss
Withdrawals from Storage	Reported on Form EIA-191
Supplemental Gaseous Fuels	Derived from Supply Estimates and Coal Gasification Information
Imports	Estimated from National Energy Board of Canada Information and Liquefied Natural Gas Information
Additions to Storage	Reported on Form EIA-191
Exports	Estimated from Industry Trends and Liquefied Natural Gas Information
Current-Month Consumption	Estimated from Historical Month-to-Month Percent Changes
Consumption by Sector	
Lease and Plant Fuel	Derived from Marketed Production
Pipeline Fuel	Derived from Estimates for Lease and Plant Fuel and Deliveries to Consumers
Residential	Estimated from Reports to the Sample Survey Form EIA-857
Commercial	Estimated from Reports to the Sample Survey Form EIA-857
Industrial	Estimated from Reports to the Sample Survey Form EIA-857
Electric Utilities	Reported of Form EIA-759

For data that are not taken from STIFS computations, Table A1 below lists the methodologies for deriving the monthly data to be published.

The STIFS model contains a series of calculations that produce forecasts for all of the energy industry. It is driven primarily by three sets of inputs or assumptions: estimates of key macroeconomic variables, world oil price assumptions, and assumptions about the severity of weather. The natural gas estimates also reflect other key inputs or assumptions including gas wellhead prices, electric power generation by other energy sources, and U.S. gas import capacity. The macroeconomic variable estimates are produced by DRI/McGraw-Hill but are adjusted by EIA to reflect EIA assumptions about the world price of oil, energy product prices, and other assumptions which may affect the macroeconomic outlook. The EIA publishes forecasts for the energy industry each quarter in the *Short-Term Energy Outlook*.

For production, total supply and disposition, and storage data (Tables 1, 2, and 9), the most current two months shown are estimates produced from STIFS computations, and data that are two months or more prior to the date of publication are estimated or taken from submitted reports. For example, in the March issue of the NGM, February and March data are taken from the STIFS model computations while January and prior months data are estimated from available data sources or reported directly on EIA forms. For consumption data by sector (Table 3), the most current three months shown are estimates produced from STIFS computations while data that are three months prior to date of publication are taken from EIA forms.

Note 1. Nonhydrocarbon Gases Removed

Annual Data

Data on nonhydrocarbon gases removed from marketed production carbon dioxide, helium, hydrogen sulfide, and nitrogen are reported by State agencies on the voluntary Form EIA-895. For 1995, of the 33 producing States, 22 reported data on nonhydrocarbon gases removed. The 22 States accounted for 60 percent of total 1995 gross withdrawals. Of the 22 States reporting nonhydrocarbon gases removed, 11 reported zero values: Alaska, Arizona, Arkansas, Colorado, Illinois, Maryland, Missouri, Nevada, New York, South Dakota, and Virginia. The ten States reporting volumes greater than zero are

Alabama, California, Florida, Kentucky, Mississippi, Nebraska, New Mexico, North Dakota, Texas, and Wyoming. In addition, Kansas, Louisiana, Montana, and Oklahoma, which together accounted for 40 percent of gross withdrawals, did not report nonhydrocarbon gases removed separately. However, their gross withdrawal data excluded all or most of the nonhydrocarbon gases removed on leases. No estimates are made for States not reporting nonhydrocarbon gases removed.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Seven States report monthly data on nonhydrocarbon gases removed: Alabama, Arizona, Mississippi, New Mexico, North Dakota, Oregon and Texas. Monthly data for California, Colorado, Florida, and Wyoming are estimated based on annual data reported on Form EIA-895. Nonhydrocarbon gases as an annual percentage of gross withdrawals reported by each of the six States is applied to each State's monthly gross withdrawal data to produce an estimate of nonhydrocarbon gases removed.

Final Monthly Data

Beginning with report year 1990, States filing the Form EIA-627, "Annual Quantity and Value of Natural Gas Report," were asked to supply monthly breakdowns of all data previously reported on an annual basis. The sums of the reported figures were used to calculate monthly volumes. In 1997 the Form EIA-627 was discontinued. States were requested to file an annual schedule on the monthly Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

For States not supplying monthly data on the annual schedule of the EIA-895, final monthly data are calculated by proportionally allocating the differences between total annual data reported on the Form EIA-895 and the sum of monthly data (January-December).

Note 2. Supplemental Gaseous Fuels

Annual Data

Annual data are published from Form EIA-176.

Preliminary Monthly Data

All monthly data are considered preliminary until after the publication of the *Natural Gas Annual* for the year in which the report month falls. Monthly estimates are based on the annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the monthly sum of these three elements to compute a monthly supplemental gaseous fuels figure.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly data are estimated based on the revised annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the revised monthly sum of these three elements to compute final monthly data.

Note 3. Production

Annual Data

Natural gas production data are collected from 33 gas-producing States on Form EIA-895 which includes gross withdrawals, vented and flared, repressuring, nonhydrocarbon gases removed, fuel used on leases, marketed production (wet), and extraction loss. The U.S. Minerals Management Service (MMS) also supplies data on the quantity and value of natural gas production on the Gulf of Mexico and Outer Continental Shelf. No adjustments are made to the data.

Estimated Monthly Data

State marketed production data for a particular month are estimated if data are unavailable at the time of publication. The data are estimated based on final monthly data reported on the Form EIA-895 for the previous year.

Estimates for total U.S. marketed production are based on final monthly data reported on the Form EIA-895 for the previous year. State estimates for nonhydrocarbon gas removed, gas used for repressuring, and gas vented and flared are based on the ratio of the item to gross withdrawals as reported on the EIA-895. These ratios are applied to the month's estimates for gross withdrawals to calculate figures for nonhydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Estimates for gross withdrawal data are calculated from final

monthly data filed on Form EIA-895 for the previous year.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Preliminary monthly data are published from reports from the Form EIA-895 and the MMS. Volumetric data are converted, as necessary, to a standard 14.73 psia pressure base. Data are revised as Table 7 monthly data are updated.

Final Monthly Data

Final monthly data for 1993, 1994, and 1995 are the sums of monthly data reported on the annual Form EIA-627, "Annual Quantity and Value of Natural Gas Report." For prior years, the differences between each State's annual production data reported on the EIA-627 and the sum of its monthly IOGCC reports for the year were allocated proportionally to the monthly IOGCC data.

Note 4. Imports and Exports

Annual Data and Final Monthly Data

Annual and final monthly data are published from the Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*, which requires data to be reported each quarter by month for the calendar year.

Preliminary Monthly Data - Imports

Preliminary monthly import data are based on data from the National Energy Board of Canada and responses to informal industry contacts and EIA estimates. Preliminary data are revised after the publication of the article "U.S. Imports and Exports of Natural Gas" for the calendar year.

Preliminary Monthly Data - Exports

Preliminary monthly export data are based on historical data from the Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*, informal industry contacts, and information gathered from natural gas industry trade publica-

tions. Preliminary monthly data are revised after publication of “U.S. Imports and Exports of Natural Gas” for the calendar year in which the report month falls.

Note 5. Consumption

All Annual Data

All consumption data except electric utility data are from the Form EIA-857 and Form EIA-176. No adjustments are made to the data. Electric utility data are reported on Form EIA-759.

Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual*.

Total Consumption

Preliminary Monthly Data

The most current month estimate is calculated based on the arithmetic average change from the previous month for the previous 3 years. The following month this estimate is revised by summing the components (pipeline fuel, lease and plant fuel, and deliveries to consumers).

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly total consumption is obtained by summing its components.

Residential, Commercial, and Industrial Sector Consumption

Preliminary Monthly Data

Preliminary monthly residential, commercial, and industrial data are from Form EIA-857. See Appendix C, “Statistical Considerations,” for a detailed explanation of sample selection and estimation procedures.

Average Price of Deliveries to Consumers

Price data are representative of prices for gas sold and delivered to residential, commercial, and industrial consumers. These prices do not reflect average

prices of natural gas transported to consumers for the account of third parties or “spot-market” prices.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual consumption data from the Form EIA-176 to each month in proportion to monthly volumes reported in Form EIA-857.

Agricultural Use

Beginning with the reporting of 1996 annual data, the EIA changed the customer category used for reporting deliveries to consumers in the agricultural industry from commercial to industrial. In 1995 and earlier years, consumption of natural gas for agricultural use was classified as commercial use. Separate reports of the volumes affected are not available so the direct impact of this change is not known. Most natural gas consumed in agriculture is used to drive irrigation systems and to dry crops.

For the reporting of monthly data, the customer category will not be changed until 1998. In 1996, the monthly data reported under the old classification were adjusted to the annual data reported under the new classification. Monthly 1997 data will be adjusted in the same way as the 1996 data.

In comparing sectoral use over time, note that:

There is an inherent shift in natural gas volumes from the commercial to industrial sectors due simply to changes in the reporting requirements. This break in series may indicate a spurious increase in industrial consumption with a corresponding decrease in the commercial sector.

The sum of natural gas volumes consumed by the commercial and industrial sectors will not be changed by this modification of the instructions.

Electric Utility Sector Consumption

All Monthly Data

Monthly data published are from Form EIA-759.

Pipeline Fuel Consumption

Preliminary Monthly Data

Preliminary data are estimated based on the pipeline fuel consumption as an annual percentage of total consumption from the previous year's Form EIA-176. This percentage is applied to each month's total consumption figure to compute the monthly estimate.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are based on the revised annual ratio of pipeline fuel consumption to total consumption from the Form EIA-176. This ratio is applied to each month's revised total consumption figure to compute final monthly pipeline fuel consumption estimates.

Lease and Plant Fuel Consumption

Preliminary Monthly Data

Preliminary monthly data are estimated based on lease and plant fuel consumption as an annual percentage of marketed production. This percentage is applied to each month's marketed production figure to compute estimated lease and plant fuel consumption.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly plant fuel data are based on a revised annual ratio of lease and plant fuel consumption to marketed production from Form EIA-176. This ratio is applied to each month's revised marketed production figure to compute final monthly plant fuel consumption estimates. Final monthly lease data are collected on the Form EIA-627 and estimates from the Form EIA-176. See the *Natural Gas Annual* for a complete discussion of this process.

Note 6. Extraction Loss

Annual Data

Extraction loss data are calculated from filings of Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." For a fuller discussion, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary data are estimated based on extraction loss as an annual percentage of marketed production.

This percentage is applied to each month's marketed production to estimate monthly extraction loss.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual extraction loss data to each month based on its total natural gas marketed production.

Note 7. Natural Gas Storage

Underground Natural Gas Storage

All monthly data concerning underground storage are published from the EIA-191. A new EIA-191 became effective in January 1994. Injection and withdrawal data from the EIA-191 survey are adjusted to correspond to data from Form EIA-176 following publication of the *Natural Gas Annual*.

Underground and Liquefied Natural Gas Storage

The final monthly and annual storage and withdrawal data for 1991 through 1995 shown in Table 2 include both underground and liquefied natural gas (LNG) storage. Underground storage data are obtained from the EIA-191 and EIA-176 surveys in the manner described earlier. Annual data on LNG additions and withdrawals are taken from Form EIA-176. Monthly data are estimated by computing the ratio of each month's underground storage additions and withdrawals to annual underground storage additions and withdrawals and applying it to annual LNG data.

Types of Underground Storage Facilities

There are three principal types of underground storage facilities in operation in the United States today: salt caverns (caverns hollowed out in salt "bed" or "dome" formations), depleted fields (depleted reservoirs in oil and/or gas fields), and aquifer reservoirs (water-only reservoirs conditioned to hold natural gas). A storage facility's daily deliverability or withdrawal capability is the amount of gas that can be withdrawn from it in a 24-hour period. Salt cavern storage facilities generally have high deliverability because all of the

working gas in a given facility can be withdrawn in a relatively short period of time. (A typical salt cavern cycle is 10 days to deplete working gas, and 20 days to refill working gas.) By contrast, depleted field and aquifer reservoirs are designed and operated to withdraw all working gas over the course of an entire heating season (about 150 days). Further, while both traditional and salt cavern facilities can be switched from withdrawal to injection operations during the heating season, this is usually more quickly and easily done in salt cavern facilities, reflecting their greater operational flexibility.

Note 8. Average Wellhead Value

Annual Data

Form EIA-895 requests State agencies to report the quantity and value of marketed production. When complete data are unavailable, the form instructs the State agency to report the available value and the quantity of marketed production associated with this value. A number of States reported volumes of production and associated values for other than marketed production. In addition, information for several States which were unable to provide data was obtained from Form EIA-176. It should be noted that Form EIA-176 reports a fraction of State production. The imputed value of marketed production in each State is calculated by dividing the State's reported value by its associated production. This unit price is then applied to the quantity of the State's marketed production to derive the imputed value of marketed production.

Preliminary Monthly Data

Preliminary values for the monthly U.S. Natural gas wellhead price are estimated from the final settlement price reported by the New York Mercantile Exchange (NYMEX) for near-month delivery and from the prevailing cash market prices at 5 major trading hubs: Henry Hub, LA; Carthage, TX; Katy, TX; Waha, TX; and Blanco, NM. These prices appear initially in the trade publication, *Natural Gas Week*, and they reflect the spot delivered-to-pipeline, volume-weighted average prices for natural gas bought and sold at the specified trading hubs. Prices include processing, gathering, and transportation fees to the hubs. The estimated wellhead prices are derived with a statistical procedure based on analysis of monthly time series data for the period 1995 through 1997. The preliminary estimates are replaced when

annual survey data become available. This procedure was adopted beginning with publication of the February 1999 issue of the *Natural Gas Monthly* and it affects price estimates from January 1998 to the present.

Final Monthly Data

The Form EIA-895 requests State agencies to report monthly values of marketed production. Preliminary monthly gas price data are replaced by these final monthly data.

Note 9. Balancing Item

The "balancing item" category represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems.

Reporting problems include differences due to the net result of conversions of flow data metered at varying temperatures and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycles and calendar periods; and imbalances resulting from the merger of data reporting systems, which vary in scope, format, definitions, and type of respondents.

Annual Data

Annual data are from the *Natural Gas Annual*. For an explanation of the methodology involved in calculating annual "balancing item" data, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary monthly data in the "balancing item" category are calculated by subtracting dry gas production, withdrawals from storage, supplemental gaseous fuels, and imports from total supply/disposition.

Note 10. Heating Degree-Days

Degree-days are relative measurements of outdoor air temperature. Heating degree-days are deviations of the mean daily temperature below 65 degrees

Fahrenheit. A weather station recording a mean daily temperature of 40 degrees Fahrenheit would report 25 heating degree-days. There are several degree-day data bases maintained by the National Oceanic and Atmospheric Administration. The information published in the Natural Gas Monthly is developed by the National Weather Service Climate Analysis Center, Camp Springs, Maryland.

The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the country. The temperature information recorded at these weather stations is used to calculate Statewide degree-day averages weighted by gas home customers. The State figures are then aggregated into Census Divisions and into the national average.

Appendix B

Data Sources

The data in this publication are taken from survey reports authorized by the U.S. Department of Energy (DOE), Energy Information Administration (EIA) and by the Federal Energy Regulatory Commission (FERC). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The EIA conducts and processes some of the surveys authorized by the FERC. Data are collected from two annual surveys and five monthly surveys.

The annual report is the Form EIA-176, a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across State lines.

The monthly reports include two surveys of the natural gas industry, two surveys of the electric utility industry, and a voluntary survey completed by energy or conservation agencies in the gas producing States. The natural gas industry survey is the Form EIA-191 filed by companies that operate underground storage facilities, and the Form EIA-857 is filed by a sample of companies that deliver natural gas to consumers. The electric utility industry surveys are the Form EIA-759 filed by all generating electric utilities and the Form FERC-423 filed by fossil fueled plants. Responses to these four monthly surveys are mandatory.

A description of the survey respondents, reporting requirements, and processing and editing of the data is given on the following pages for each of the surveys.

Form EIA-176, “Annual Report of Natural and Supplemental Gas Supply and Disposition”

Survey Design

The original version of Form EIA-176 was approved in 1980 with a mandatory response requirement. Prior to 1980, published data were based on voluntary responses to Bureau of Mines, U.S. Department of the Interior predecessor Forms BOM-6-1340-A and BOM-6-1341-A of the same title.

In 1982, the scope of the revised EIA-176 survey was expanded to collect the number of electric utility consumers in each State, volumes of gas transported to industrial and electric utility consumers, detailed information on volumes transported across State borders by the respondent for others and for the responding company, and detailed information on other disposition. These changes were incorporated to provide more complete survey information with a minimal change in respondent burden. The 1982 version of the Form EIA-176 continues to be the basis for the current version of this form.

In 1988, the Form EIA-176 was revised to include data collection for deliveries of natural gas to commercial and industrial consumers for the account of others. A short version of Form EIA-176 was also approved in 1988. Companies engaged in purchase and delivery activities but not in transportation and storage activities may file the short form. Usually, these companies are municipals handling small volumes of gas. form was approved for use beginning with report year 1990.

In 1990, the Form EIA-176 was revised to include more detailed information for gas withdrawn from storage facilities, gas added to storage facilities, deliveries of company-owned natural gas and natural gas transported for the account of others. The revised form was approved for use beginning with report year 1990.

Upon the Office of Management and Budget's approval in 1993, the Form EIA-176 was again revised. All deliveries to consumers are now categorized as firm or interruptible. Commercial and industrial consumers are further categorized as nonutility power producers or as those excluding nonutility power producers.

Data reported on this form are no longer considered proprietary. Response to the form continues to be mandatory.

Survey Universe and Response Statistics

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies, investor and municipally owned natural gas distributors, underground natural gas storage operators, synthetic natural gas plant operators, and field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities) and/or that transport gas to, across, or from a State border through field or gathering facilities.

Each company and its parent company or subsidiaries were required to file if they met the survey specifications. The original mailing in 1999 for report year 1998 totaled 1,910 questionnaire packages. To this original mailing, 5 names were added and 32 were deleted as a result of the survey processing. Additions were the result of comparisons of the mailing list to other survey mailing lists. Deletions resulted from post office returns and determinations that companies were out of business, sold, or not within the scope of the survey. After all updates, the survey universe was 1,883 responses from approximately 1,800 companies.

Following the original mailing, second request mailing, and nonrespondents follow-up, 1,883 responses were entered into the data base, and there were 50 nonrespondents.

Summary of Form EIA-176 Data Reporting Requirements

The EIA-176 is a multi-line schedule for reporting all supplies of natural gas and supplemental gaseous fuels and their disposition within the State indicated. Respondents file completed forms with EIA in Washington, DC. Data for the report year are due by April 1 of the following year. Extensions of the filing deadline for up to 45 days are granted to any respondent on request.

All natural gas and supplemental gaseous fuels volumes are reported on a physical custody basis in thousand cubic feet (Mcf), and dollar values are reported to the nearest whole dollar. All volumes are reported at 14.73 pounds per square inch absolute pressure (psia) and 60 degrees Fahrenheit.

Routine Form EIA-176 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-176. The edits performed include validity, arithmetic, and analytical checks.

The incoming forms are reviewed prior to keying. This prescan determines if the respondent identification (ID) number and the company name and address are correct, if the data on the form appear complete and reasonable, and if the certifying information is complete.

Manual checks on the data are also made. Each form is prescanned to determine that data were reported on the correct lines. The flow of gas through interstate pipelines is checked at the company level to ensure that each delivery from a State is matched with a corresponding receipt in an adjoining State.

After the data are keyed, computer edit procedures are performed. Edit programs verify the report year, State code, and arithmetic totals. Further tests are made to ensure that all necessary data elements are present and that the data are reasonable and internally consistent. The computerized edit system produces error listings with messages for each failed edit test. When problems occur, respondents are contacted by telephone and required to file amended forms with corrected data.

Other EIA Publications Referencing Form EIA-176

Data from Form EIA-176 are also published in the *Natural Gas Annual*.

Form-627 and Form EIA-895

Survey Design

Beginning with 1980 data, natural gas production data previously obtained on an informal basis from the appropriate State agencies were collected on the Form EIA-627, "Annual Quantity and Value of Natural Gas Report." This form was designed by the EIA to collect annual natural gas production data from the appropriate State agencies under a standard data reporting system within the limits imposed by the diversity of data collection systems of the various producing States. It was also designed to avoid duplication of the efforts involved in the collection of production and value data by producing States and to avoid an unnecessary respondent burden on gas and oil well operators. In 1993, value and associated volume of marketed production by month was added to the EIA-627. In 1996, the Form EIA-627 was discontinued. The information is collected on an annual schedule on the Form EIA-895.

In 1993, the Office of Management and Budget approved the Form EIA-627 for use in report years 1994 through 1996. In 1994, the IOGCC decided to discontinue collection of their form. Data collection on the Form EIA-895 began in January 1995. This form was designed to replace the Interstate Oil and Gas Compact Commission (IOGCC) form, "Monthly Report of Natural Gas Production." All gas producing States are requested to report on the Form EIA-895; a voluntary report. In 1996, an annual schedule was added to the voluntary Form EIA-895 to replace the Form EIA-627. Data are reported by State agencies. The form was designed to provide a standard reporting system, to the extent possible, for the natural gas data reported by the States. Data are not considered proprietary.

Survey Universe and Response Statistics

Form EIA-895 is mailed to energy or conservation agencies in all 33 natural gas producing States. All producing States participate voluntarily in the EIA-895 survey by filing the completed form or by responding to telephone contacts. EIA-895 survey by fil-

ing the completed form or by responding to telephone contacts.

Reports on State production are due 20 days after the end of the report month. (In most cases, the data are not available to the States until after this time period.

Therefore, States are requested to send the report within 80 days after the end of the report month.) The annual schedule of the Form EIA-895 is due with the December data report.

Of the 33 natural gas producing states, 31 participated in the voluntary EIA-895 survey by filing the completed form or by responding to telephone contacts. Data for the 2 nonresponding States (Illinois and West Virginia) were estimated. Data on the quantities of nonhydrocarbon gases removed in 1998 were reported by the appropriate agencies of 22 of the 33 producing States. These 22 States accounted for 66 percent of total 1998 gross withdrawals. In addition, the gross withdrawal data from Kansas, Louisiana, Montana, and Oklahoma, which together accounted for 39 percent of total production, excluded all or most of the nonhydrocarbon gases removed on leases. The State of Missouri reported zero gross withdrawals.

The commercial recovery of methane from coalbeds contribute a significant amount to the production totals in a number of States. Coalbed methane seams production quantities (in million cubic feet) are included in gross withdrawals totals for the following States: Alabama (116,946), Colorado (387,376), and New Mexico (608,000).

Summary of Data Reporting Requirements

The Form EIA-895 is a two-page form divided into five parts. Part I requests identifying information including the name and location of the responding State agency and the name and telephone number of a contact person within the agency. Part II collects monthly data on the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; and marketed production. Part III of the form is for reporting the monthly volume and value of marketed production. Part IV of the form is the annual schedule which collects data on the

number of producing gas wells, the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; marketed production; the value of marketed production; and quantity of marketed production (value based). Part V is space to be used by the respondent to explain data elements reported that may be based on definitions differing from those applied to data in previous years.

Respondents are asked to report all volumes in thousand cubic feet at the State's standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

Routine Form EIA-895 Edit Checks

Each filing of Form EIA-895 is manually checked for reasonableness and mathematical accuracy. Information on the forms is compared to totals of monthly data reported. Volumes are converted, as necessary, to a standard 14.73 psia pressure base. Reasonableness of data is assessed by comparing reported data to the previous year's data. State agencies are contacted by telephone to correct errors. Amended filings or resubmissions are not a requirement, since participation in the survey is voluntary.

Other EIA Publications Referencing Form EIA-895

Data from Form EIA-895 are also published in the EIA publication, *Natural Gas Annual*.

EIA-191 Survey, "Underground Natural Gas Storage Report"

Survey Design

The Form EIA-191, "Underground Natural Gas Storage Report," was revised effective January 1994. Among the changes from the form used from 1991 through 1993 is a distinction between a monthly and annual survey. Prior to 1991, data on the storage of natural gas were collected on a survey jointly implemented in 1975 by the Federal Power Commission (FPC), the Federal Energy Administration (FEA), and the Bureau of Mines (BOM) as the FPC-8/FEA-G-318 system. The data received on both the FPC-8 and

FEA-G-318 were computerized and aggregated by FPC. The form was previously revised in 1991 to include storage data by State, field, and reservoir.

At the beginning of 1979, the EIA assumed responsibility for the collection, processing, and publication of the data gathered in the survey. Form FEA-G-318 was renewed on July 1, 1979, as Form EIA-191 and the survey was retitled the FPC-8/EIA-191 Survey (Figure D4 shows the EIA-191). Form FPC-8 was renewed in December 1985 and the survey retitled FERC-8/EIA-191 Survey. The forms were not merged because of FERC's stated desire to maintain the separate identity of the FERC-8 for administrative reasons. In September 1995, the FERC discontinued the reporting requirements of Form FERC-8. FERC jurisdictional firms will continue to file Form EIA-191.

Survey Universe and Response Statistics

The 114 companies that operate underground facilities will file the Form EIA-191. Of these companies, 42 are subject to the jurisdiction of FERC and are required to report data on Form EIA-191.

The response rate as of the filing deadline is approximately 20 percent. Data from the remaining 80 percent of respondents are received in writing and/or by telephone within 3 to 4 days after the filing deadline. All data supplied by telephone are subsequently filed in writing, generally within 15 days of the filing deadline. The final response rate is 100 percent.

Summary of EIA-191 Data Reporting Requirements

The EIA-191 monthly schedule contains current month and prior month's data on the total quantities of gas in storage, injections and withdrawals, the location (including State and county, field, reservoir) and peak day withdrawals during the reporting period. Prior month's data are required only when data are revised. Information on co-owners of storage fields has been eliminated. The annual schedule contains type of facility, storage field capacity, maximum deliverability and pipelines to which each field is connected. The annual schedule is filed with the January submission.

Collection of the survey is on a custody basis. Information requested must be provided within 20 days after the first day of each month. Twelve reports are required per calendar year. Respondents are required to indicate whether the data reported are actual or estimated. For most of the estimated filings, the actual data or necessary revisions are reflected in the prior month section of the monthly form. Actual data on natural gas injections and withdrawals from underground storage are based on metered quantities. Data on quantities of gas in storage and on storage capacity represent, in part, reservoir engineering evaluations. All volumes are reported at 14.73 psia and 60 degrees Fahrenheit.

Routine Form EIA-191 Edit Checks

Data received on Form EIA-191 are entered into the survey processing system. The survey's five principal data elements (total, base, working gas in storage, injections, and withdrawals) receive a preliminary visual edit to eliminate and correct obvious errors or omissions. Respondents are required to re-file reports containing any inconsistencies or errors.

Other EIA Publications Referencing Form EIA-191

The EIA publication *Monthly Energy Review* and *Winter Fuels Report* contain data from the EIA-191 survey.

“Quarterly Natural Gas Import and Export Sales and Price Report”

Survey Design

The collection of data covering natural gas imports and exports was begun in 1973 by the Federal Power Commission (FPC). On October 1977, FPC ceased to exist and its data collection functions were transferred to the Federal Energy Regulatory Commission (FERC) within the Department of Energy (DOE). From 1979 to 1994, the Energy Information Administration (EIA) has had the responsibility for collecting Form FPC-14, “Annual Report for Importers and Exporters of Natural Gas.” Data are not considered proprietary. The Form FPC-14 was discontinued in 1995.

Beginning in 1995, import and export data are taken from the “Quarterly Natural Gas Import and Export Sales and Price Report.” This report is prepared by the Office of Fossil Energy, U.S. Department of Energy, based on information submitted by all firms having authorization to import or export natural gas.

Survey Universe and Response Statistics

All companies are required, as a condition of their authorizations to import or export natural gas, to file quarterly reports with the Office of Fossil Energy. These data are collected as part of its regulatory responsibilities. The data are reported at a monthly level of detail. Data reported on the Form FPC-14 represented physical movements of natural gas. Data collected by the Office of Fossil Energy are reported on an equity (sales) basis. For 1994 and earlier years, comparisons of the data from the two sources may show differences because reporting requirements were different. Prior to 1995, the Form FPC-14 was filed annual by each organization or individual having authority to import and export natural gas regardless of whether any activity took place during the reporting year. Authorizations to import and export were originally granted by the FPC. In 1977, the authority to grant authorizations transferred to the Economic Regulatory Administration (ERA). It now resides with the Office of Fossil Energy, U.S. Department of Energy.

Routine Edit Checks

Respondents are required to certify the accuracy of all data reported. The data are checked for reasonableness and accuracy. If errors are found, the companies are required to file corrected data. The data are compared with data reported by the National Energy Board of Canada and are published quarterly. All natural gas volumes in this report are expressed at a pressure base of 14.73 pounds per square inch absolute and temperature of 60 degrees Fahrenheit, except as noted. All import and export prices are in U.S. dollars and, except for LNG exports, are those paid at the U.S. border. LNG export prices are those paid at the point of sale and delivery in Yokohama, Japan.

Form EIA-857, “Monthly Report of Natural Gas Purchases and Deliveries to Consumers”

Survey Design

The original Form EIA-857 was approved for use in December 1984. Response to the Form EIA-857 is mandatory on a monthly basis. Data collected on the Form EIA-857 cover the 50 States and the District of Columbia and include both price and volume data. Data are considered proprietary.

Survey Universe and Response Statistics

A sample of approximately 400 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies, report to the survey. The sample was selected independently for each of the 50 States and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 on a monthly basis. Initial response statistics on a monthly basis are as follows: responses received by due date, approximately 50 percent, and responses received after follow-up, 100 percent. Virtually all are received in time for incorporation in the current month’s processing cycle. When a response is extremely late, and the company represents less than 25 percent of the natural gas volumes delivered by all sampled companies in the State, values are imputed as described in Appendix C. When the company’s submission is

eventually received, the submitted data are used for future processing and revisions.

The Form EIA-857 is a monthly sample survey of firms delivering natural gas to consumers. It provides data that are used to estimate monthly sales of natural gas (volume and price) by State and monthly deliveries of natural gas on behalf of others (volume) by State to three consumer sectors - residential, commercial, and industrial. (Monthly deliveries and prices of natural gas to electric utilities are reported on the Form FERC-423, “Monthly Report of Cost and Quality of Fuels for Electric Plants,” and the Form EIA-759, “Monthly Power Plant Report.”) See Appendix C for a discussion of the sample design and estimation procedures.

Summary of Form EIA-857 Data Reporting Requirements

Data collected monthly on the Form EIA-857 on a State level include the volume and cost of purchased gas, the volume and cost of natural gas consumed by sector (residential, commercial, and industrial), and the average heat content of all gas consumed. Respondents file completed forms with EIA in Washington, DC on or before the 30th day after the end of the report month.

All natural gas volumes are reported in thousand cubic feet at 14.73 psia at 60 degrees Fahrenheit and dollar values are reported to the nearest whole dollar.

Routine Form EIA-857 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-857. The edits performed include validity and analytical checks.

Appendix C

Statistical Considerations

The monthly sales (volume and price) and monthly deliveries (volume) of natural gas to residential, commercial and industrial consumers presented in this report by State are estimated from data reported on the Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers." (See Appendix B for a description of this Form.) These estimations must be made from the reported data since the Form EIA-857 is a sample survey. A description of the sample design and the estimation procedures is given below.

Sample Design

The Form EIA-857 is a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate companies, and producers, as well as local distribution companies. The survey provides data that are used each month to estimate the volume of natural gas delivered and the price for onsystem sales of natural gas by State to three consumer sectors—residential, commercial, and industrial. Monthly deliveries and prices of natural gas to electric utilities are reported on the Form EIA-759, "Monthly Power Plant Report," and the Form FERC-423, "Monthly Report of Costs and Quality of Fuels for Electric Plants."

Sample Universe. The sample currently in use was selected from a universe of 1,538 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 1995 who reported sales or deliveries to consumers in the residential, commercial or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

Sampling Plan. The goal was a sample that would provide estimates of monthly natural gas consumption by the three consuming sectors within each State and the District of Columbia. A stratified sample using a single stage and systematic selection with probability

proportional to size was designed. The measure of size was the volume of natural gas physically delivered in the State to the three consuming sectors by the company in 1995. There were two strata—companies selected with certainty and companies selected under the systematic probability proportional to size design.

Initial calculations showed that a 25 percent sample of companies would yield reasonably accurate estimates. The sample was selected independently in each State, resulting in a national total of 387 respondent companies. Unlike previous years, no mergers or acquisitions were uncovered as a result of the initial mail-out. Therefore there was no need for either substitution of respondent companies or a reduction in the total number of respondents.

Certainty Stratum. Since estimates were needed for each of the 50 States and the District of Columbia, the strata were established independently within each State. In 16 States and the District of Columbia where sampling was not feasible due to small numbers of companies and/or small volumes of gas deliveries, all companies were selected. The 16 States were: Alaska, Connecticut, Delaware, Hawaii, Idaho, Maine, North Dakota, New Hampshire, New Jersey, Nevada, Oregon, Rhode Island, South Dakota, Utah, Vermont, and Washington.

For each of the remaining States, the total volumes of industrial sales and deliveries and of the combined residential/commercial sales and deliveries were determined. Companies with natural gas deliveries to the industrial sector or to the combined residential/commercial sector above a certain level were selected with certainty. Since a few large companies often account for most of the natural gas delivered within a State, this ensures those companies' inclusion in the sample. The formula for determining certainty was applied independently in the two consumer sectors—the industrial

and the combined residential/commercial. These selected companies, together with the companies in the jurisdictions discussed where sampling was not feasible, formed the certainty stratum.

All companies with natural gas deliveries in sector j greater than the cut-off value (C_j) were included in the certainty stratum. The formula for C_j was:

$$C_j = \frac{X_{.j}}{2n} \quad (1)$$

where:

C_j = cutoff value for consumer sector j,

n = target sample size to be selected for the State, 25 percent of the companies in the State,

X_{ij} = the annual volume of natural gas deliveries by company i to customers in consumer sector j,

$X_{.i}$ = the sum within State of annual gas volumes for company i,

$X_{.j}$ = the sum within State of annual gas volumes in consumer sector j,

$X_{..}$ = the sum within State of annual gas volumes in all consumer sectors.

Noncertainty Stratum. All other companies formed the noncertainty stratum. They were systematically sampled with probability proportional to size. The measure of size for each company was the total volume of gas sales to all consumer sectors (X_i). The number of companies to be selected from the noncertainty stratum was calculated for each State, with a minimum of 2.

The formula for selecting the number of noncertainty stratum companies was:

$$m = n \frac{X_2}{X_{..}} \quad (2)$$

where:

m = the sample size for the noncertainty stratum within a State,

X_2 = the sum within State of the X_i for all companies in the noncertainty stratum.

Companies were listed in ascending order according to their measure of size and then a cumulative measure of size in the stratum was calculated for each company. The cumulative measure of size was the sum of the measures of size for that company and all preceding companies on the list. An interval of width I for selecting the companies systematically was calculated using.

A uniform random number R was selected between zero and 1. $\frac{X_2}{m}$ I. The first sampled company was

the first company on the list to have a cumulative measure of size greater than R. The second company selected was the first company on the list to have a cumulative measure of size greater than R + I. R + I was increased again by I to determine the third company to be selected. This procedure was repeated until the entire sample was drawn.

Subgroups. In eight States, the noncertainty stratum was divided into subgroups to ensure that gas in each consumer sector could be estimated. The systematic sample with probability proportional to size design described above was applied independently in each subgroup. The methods for determining the subgroup sample size and calculating the subgroup interval for sample selection were the same as the methods described above for the noncertainty stratum, except that X_2 was the sum within State of the X_i for only those companies in the subgroup.

These subgroups were defined only for the purpose of sample selection. They are:

California: companies handling only industrial gas and all other companies.

Iowa: companies handling industrial gas and companies delivering only to residential or commercial customers.

Louisiana: companies handling only industrial gas and all other companies, with the latter being further subdivided according to size. The larger group is comprised of all companies with total deliveries of at least 200 million cubic feet while the smaller group consists of companies with less than that volume of delivered gas (three subgroups).

Oklahoma: Companies delivering less than 500 million cubic feet of gas and those delivering more than that volume.

Texas: companies handling only residential/commercial gas, companies handling only industrial gas, and all other companies (three subgroups).

Estimation Procedures

Estimates of Volumes. A ratio estimator is applied to the volumes reported in each State by the sampled companies to estimate the total gas sales and deliveries for the State. Ratio estimators are calculated for each consumer sector—residential, commercial, and industrial—in each State where companies are sampled. The following annual data are taken from the most recent 1995 submissions of Form EIA-176:

The formula for calculating the ratio estimator (E_{vj}) for the volume of gas in consumer sector j is:

$$E_{vj} = \frac{Y_j}{Y_j} \quad (3)$$

where:

Y_j = the sum within State of annual gas volumes in consumer sector j for all companies,

Y'_j = the sum within State of annual gas volumes in consumer sector j for those companies in the sample.

The ratio estimator is applied as follows:

$$V_j = y_j E_{vj} \quad (4)$$

where:

V_j = the State estimate of monthly gas volumes in consumer sector j ,

y_j = the sum within State of reported monthly gas volumes in consumer sector j .

Computation of Natural Gas Prices. The natural gas volumes that are included in the computation of prices represent only those volumes associated with natural gas sales.

The price of natural gas for a State within a sector is calculated as follows:

$$P_j = \frac{R_j}{V_j}$$

where:

P_j = the average price for gas sales within the State in consumer sector j ,

R_j = the reported revenue from natural gas sales within the State in consumer sector j ,

V_j = the reported volume of natural gas sales within the State in consumer sector j .

All average prices are weighted by their corresponding sales volume estimates when national average prices are computed.

The monthly average prices of natural gas are based on sales data only. Volumes of gas delivered for the account of others to these consumer sectors are not included in the State or national average prices.

Table 25 shows the percent of the total State volume that represents volumes from natural gas sales to the commercial and industrial sectors. This table may be helpful in evaluating commercial and industrial price data. Virtually all natural gas deliveries to the residential sector represent onsystem sales volumes only.

See the section on consumer price calculations in this Appendix for further price information.

Estimation for Nonrespondents. A volume for each consumer category is imputed for companies that fail to respond. The imputation is based on the previous month's value reported by the non-responding company and the change from the previous month to the current month in volumes reported by other companies in the State. The imputed volumes are included in the State totals. To estimate prices for non-respondents, the unit price (dollars per thousand cubic feet) reported by the company in the previous month is used.

The formula for imputing volumes of gas sales for nonrespondents was:

$$F_t = F_{t-1} + 1 \frac{y_{jt}}{y_{jt-1}} \quad (5)$$

where:

F_t = imputed gas volume for current month t ,

F_{t-1} = gas volume for the company for the previous month,

y_{jt} = gas volume reported by companies in the State stratum for report month t,

$y_{j,t-1}$ = gas volume in the previous month for companies in the State stratum that reported in month t.

Final Revisions

Adjusting Monthly Data to Annual Data. After the annual data reported on the Form EIA-176 have been submitted, edited, and prepared for publication in the *Natural Gas Annual*, revisions are made to monthly data. The revisions are made to the volumes and prices of natural gas delivered to consumers that have appeared in the *Natural Gas Monthly* to match them to the annual values appearing in the *Natural Gas Annual*. The revised monthly estimates allocate the difference between the sum of monthly estimates and the annual reports according to the distribution of the estimated values across the months.

Before the final revisions are made, changes or additions to submitted data received after publication of the monthly estimate and not sufficiently large to require a revision to be published in the *Natural Gas Monthly*, are used to derive an updated estimate of monthly consumption and revenues for each State's residential, commercial, or industrial natural gas consumption.

For each State, two numbers are revised, the estimated consumption and the estimated price per thousand cubic feet.

The formula for revising the estimated consumption is:

$$V_{jm} = V_{jm} (V_{ja} / V_{jm}) \left(\frac{V_{jm}}{V_{jm}} \right) \quad (6)$$

where:

V_{jm}^* = the final volume estimate for month m in consumer sector j,

V_{jm} = the estimated volume for month m in consumer sector j,

V_{ja} = the volume for the year reported on Form EIA-176,

V_{jm}' = The annual sum of estimated monthly volumes.

The price is calculated as described above in the Estimation Procedures section, using the final revised consumption estimate and a revised revenue estimate.

The formula for revising the estimated revenue is:

$$R_{jm} = R_{jm} (R_{ja} / R_{jm}) \left(\frac{R_{jm}}{R_{jm}} \right) \quad (7)$$

where:

R_{jm}^* = the final revenue estimate for month m in consumer sector j,

R_{jm} = the estimated revenue for month m in consumer sector j,

R_{ja} = the revenue for the year reported on Form EIA-176,

R_{jm}' = The annual sum of estimated monthly revenues. Revision of Volumes and Prices for Deliveries to Electric Utilities. Revisions to monthly electric utilities data are published throughout the year as they become available.

Reliability of Monthly Data

The monthly data published in this report are subject to two sources of error - nonsampling error and sampling error. Nonsampling errors occur in the collection and processing of the data. See the discussion of the Form EIA-857 in Appendix B for a description of nonsampling errors for monthly data.

Sampling error may be defined as the difference between the results obtained from a sample and the results that a complete enumeration would provide. The standard error statistic is a measurement of sampling error.

Standard Errors. A standard error of an estimate is a statistical measure that indicates how the estimate from the sample compares to the result from a complete enumeration. Standard errors are calculated based on statistical theory that refers to all possible samples of the same size and design.

The standard errors for monthly natural gas volume estimates by State are given in Table C1. Ninety-five percent of the time, the volume that would have been obtained from a complete enumeration will lie in the range between the estimated volume minus two

standard errors and the estimated volume plus two standard errors.

The standard error of the natural gas volume estimate is the square root of the variance of the estimate. The formula for calculating the variance of the volume estimate is:

$$V(Y) = \sum_{h=1}^H N_h^2 \frac{(1 - \frac{n_h}{N_h})}{n_h(n_h - 1)} \sum_{i=1}^{n_h} (y_i - Tx_i)^2 \quad (8)$$

where:

H = the total number of strata

N_h = the total number of companies in stratum h

n_h = the sample size in stratum h

y_i = the reported monthly volume for company i

x_i = the reported annual volume for company i

T = the ratio of the sum of the reported monthly volumes for sample companies to the sum of the reported annual volumes for the sample companies.

Table C-1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, April 2000

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	173	119	2,557	2,566	0.67	1.45	2.44
Alaska	0	0	0	0	—	—	—
Arizona	0	0	0	0	—	—	—
Arkansas	NA	NA	101	NA	NA	NA	0.19
California	253	52	1,316	1,341	0.04	0.06	0.93
Colorado	NA	NA	NA	NA	NA	NA	NA
Connecticut	0	0	0	0	—	—	—
Delaware	0	0	0	0	—	—	—
District of Columbia	0	0	0	0	—	—	—
Florida	73	38	2,001	2,003	0.93	0.25	0.86
Georgia	238	1,444	6,819	6,974	0.76	5.52	5.36
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	2,229	1,569	3,769	4,651	0.25	0.87	0.23
Indiana	2,179	1,114	1,705	2,983	0.71	0.27	0.65
Iowa	5	61	38	72	0.07	0.03	0.07
Kansas	4,208	5,651	3,519	7,876	0.86	1.98	1.84
Kentucky	375	390	62	544	0.20	1.03	0.01
Louisiana	35	40	3,263	3,263	0.05	0.01	0.07
Maine	0	0	0	0	—	—	—
Maryland	32	53	22	66	0.01	0.02	0.30
Massachusetts	NA	NA	NA	NA	NA	NA	NA
Michigan	335	740	1,541	1,742	0.11	0.12	0.11
Minnesota	389	182	497	656	0.12	0.09	0.18
Mississippi	NA	NA	NA	NA	NA	NA	NA
Missouri	105	105	383	411	0.06	0.22	2.65
Montana	3	3	0	4	0.02	0.03	—
Nebraska	172	30	981	996	0.24	0.09	0.24
Nevada	0	0	0	0	—	—	—
New Hampshire	0	0	0	0	—	—	—
New Jersey	NA	NA	NA	NA	NA	NA	NA
New Mexico	137	33	14,167	14,168	0.02	12.10	1.58
New York	NA	NA	NA	NA	NA	NA	NA
North Carolina	39	21	64	78	0.03	0.06	0.13
North Dakota	0	0	0	0	—	—	—
Ohio	1,426	6,807	8,609	11,067	0.97	0.18	0.10
Oklahoma	153	1,694	2,046	2,661	0.27	0.53	3.82
Oregon	0	0	0	0	—	—	—
Pennsylvania	NA	0	0	NA	NA	—	—
Rhode Island	0	0	0	0	—	—	—
South Carolina	59	31	927	930	0.11	0.07	0.05
South Dakota	0	0	0	0	—	—	—
Tennessee	394	104	1,789	1,835	0.43	0.15	0.33
Texas	323	4,883	6,278	7,960	0.15	1.05	0.45
Utah	0	0	0	0	—	—	—
Vermont	0	0	0	0	—	—	—
Virginia	270	340	NA	NA	0.22	0.31	NA
Washington	NA	NA	NA	NA	NA	NA	NA
West Virginia	249	264	525	638	0.53	0.70	2.02
Wisconsin	273	462	573	785	0.72	0.83	0.37
Wyoming	39	46	124	138	0.07	0.10	0.38
Total	6,086	10,880	21,193	24,588	0.12	0.15	0.42

NA Not Available.
— Not Applicable.

Source: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Appendix D

Articles, Special Focuses and Special Reports

A variety of energy-related subjects are frequently included in this publication. The following articles have appeared in previous issues.

Feature Articles

<i>Natural Gas 1998: Issues and Trends - Executive Summary</i>	April 1999
<i>Revisions to Monthly Natural Gas Data</i>	July 1998
<i>EIA Corrects Errors in EIA's Drilling Activity Estimates Series</i>	March 1998
<i>Recent Trends in Natural Gas Spot Prices</i>	December 1997
<i>Natural Gas Residential Pricing Developments During the 1996-97 Winter</i>	August 1997
<i>Revisions to Monthly Natural Gas Data</i>	July 1997
<i>Intricate Puzzle of Oil and Gas Reserves Growth</i> "	July 1997
<i>Restructuring Energy Industries: Lessons from Natural Gas</i>	May 1997

Special Focuses

<i>Corporate Realignments and Investments in the Interstate Natural Gas Transmission System</i>	October 1999
<i>Deliverability on the Interstate Natural Gas Pipeline System</i>	May 1998
<i>Advance Summary: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1996 Annual Report - Advance Summary</i>	September 1997
<i>Worldwide Natural Gas Supply and Demand and the Outlook for Global LNG Trade</i>	August 1997
<i>Outlook for Natural Gas Through 2015</i>	January 1997
<i>Natural Gas Productive Capacity</i>	January 1997

Special Reports

<i>Natural Gas 1999: A Preliminary Summary</i>	May 2000
<i>Next Generation * Natural Gas (NG)² Information Requirements — Executive Summary</i>	February 2000

<i>Increasing Importance of Natural Gas Imports on the U.S. Marketplace</i>	February 2000
<i>Natural Gas Winter Outlook 1999-2000</i>	October 1999
<i>U.S. Natural Gas Imports and Exports - 1998</i>	August 1999
<i>Retail Unbundling</i>	July 1999
<i>Natural Gas 1998: A Preliminary Summary</i>	April 1999
<i>U.S. Natural Gas Imports and Exports - 1977</i>	August 1998
<i>Revisions to Monthly Natural Gas Data</i>	July 1998
<i>Natural Gas 1997: A Preliminary Summary</i>	April 1998
<i>Comparison of Natural Gas Storage Estimates from the EIA and AGA</i>	October 1997
<i>U.S. Underground Storage of Natural Gas in 1997: Existing and Proposed</i>	September 1997
<i>U.S. Natural Gas Imports and Exports - 1996</i>	August 1997
<i>Revisions to Monthly Natural Gas Data</i>	July 1997
<i>Natural Gas 1996: Highlights</i>	April 1997
<i>Natural Gas Pipeline and System Expansions</i>	April 1997
<i>Natural Gas Analysis and Geographic Information Systems</i>	March 1997

Appendix E

Technical Contacts

Section	Tables	Principal Data Sources	Technical Contact
Summary Statistics: Natural Gas Production	1,2,3	Monthly: EIA-895, "Monthly Quantity of Natural Gas Report"	Sharon Belcher (202)586-6119
		Annual: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Extraction Loss	1	Monthly: EIA computations Annual: Form EIA-816, "Monthly Natural Gas Liquids Report" and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"	Margo Natof (202)586-6303
Supplemental Gaseous Fuels	2	Monthly: EIA computations Annual: Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"	Margo Natof (202)586-6303
Imports and Exports	2	Monthly: EIA computations Annual: Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Import and Exports"	Ann Ducca (202)586-6137
Price: City Gate, Residential, Commercial, and Industrial	4	Monthly: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Wellhead	4	Monthly: EIA computations Annual: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sylvia Norris (202)586-6106
Electric Utility	4	Monthly: Form FPC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Summary of Natural Gas Imports and Exports	5,6	Monthly: Quarterly Natural Gas Import and Export Sales and Price Report	Ann Ducca (202)586-6137
Producer Related Activities: Natural Gas Production	7,8	Monthly: EIA-895, "Monthly Quantity of Natural Gas Report"	Sharon Belcher (202)586-6119
Underground Storage:	9,10,11, 12,13,14	Monthly: Forms FERC-8 and EIA-191, "Underground Gas Storage Report"	Carol Jones (202) 586-6168
Distribution and Consumption: Deliveries to: Residential, Commercial, Industrial, Electric Utility, All Consumers	15 16 17 18 19	Monthly: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Average Price to: City Gate, Residential, Commercial, Industrial, Electric Utility Onsystem Sales	20 21 22 23 24 25	Monthly: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Heating Degree Days	26	Seasonal: National Oceanic and Atmospheric Administration	Patricia Wells (202)586-6077
Highlights			Mary Carlson (202)586-4749

Glossary

Balancing Item: Represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems. Reporting problems include differences due to the net result of conversions of flow data metered at varying temperature and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycle and calendar period time frames; and imbalances resulting from the merger of data reporting systems which vary in scope, format, definitions, and type of respondents.

Base (Cushion) Gas: The volume of gas needed as a permanent inventory to maintain adequate underground storage reservoir pressures and deliverability rates throughout the withdrawal season. All native gas is included in the base gas volume.

British Thermal Unit (Btu): The heat required to raise the temperature of one pound of water by one degree Fahrenheit at or near 39.2 degrees Fahrenheit.

City-gate: A point or measuring station at which a gas distribution company receives gas from a pipeline company or transmission system.

Commercial Consumption: Gas used by nonmanufacturing establishments or agencies primarily engaged in the sale of goods or services such as hotels, restaurants, wholesale and retail stores and other service enterprises; and gas used by local, State and Federal agencies engaged in nonmanufacturing activities.

Depletion: The loss in service value incurred in connection with the exhaustion of the natural gas reserves in the course of service.

Depreciation: The loss in service value not restored by current maintenance, incurred in connection with the consumption or respective retirement of a gas plant in the course of service from causes that are

known to be in current operation and against which the utility is not protected by insurance; for example, wear and tear, decay, obsolescence, changes in demand and requirements of public authorities, and the exhaustion of natural resources.

Dry Natural Gas Production: Marketed production less extraction loss.

Electric Utility: An enterprise that is engaged in the generation, transmission, or distribution of electric energy primarily for use by the public and that is the major power supplier within a designated service area. Electric utilities include investor-owned, publicly-owned, cooperatively-owned, and government-owned (municipals, Federal agencies, State projects, and public power districts) systems.

Electric Utility Consumption: Gas used as fuel in electric utility plants.

Exports: Natural gas deliveries out of the continental United States and Alaska to foreign countries.

Extraction Loss: The reduction in volume of natural gas resulting from the removal of natural gas liquid constituents at natural gas processing plants.

Flared: The volume of gas burned in flares on the base site or at gas processing plants.

Gas Condensate Well: A gas well that produces from a gas reservoir containing considerable quantities of liquid hydrocarbons in the pentane and heavier range generally described as "condensate."

Gas Well: A well completed for the production of natural gas from one or more gas zones or reservoirs.

Gross Withdrawals: Full well stream volume, including all natural gas plant liquid and nonhydrocarbon gases, but excluding lease condensate. Also includes amounts delivered as royalty payments or consumed in field operations.

Heating Value: The average number of British thermal units per cubic foot of natural gas as determined from tests of fuel samples.

Imports: Natural gas received in the Continental United States (including Alaska) from a foreign country.

Independent Producers: Any person who is engaged in the production or gathering of natural gas and who sells natural gas in interstate commerce for resale but who is not engaged in the transportation of natural gas (other than gathering) by pipeline in interstate commerce.

Industrial Consumption: Natural gas used for heat, power, or chemical feedstock by manufacturing establishments or those engaged in mining or other mineral extraction as well as consumers in agriculture, forestry, and fisheries. Also included in industrial consumption are natural gas volumes used in the generation of electricity by other than regulated electric utilities.

Interstate Companies: Natural gas pipeline companies subject to FERC jurisdiction.

Intransit Deliveries: Redeliveries to a foreign country of foreign gas received for transportation across U.S. territory and deliveries of U.S. gas to a foreign country for transportation across its territory and redelivery to the United States.

Intransit Receipts: Receipts of foreign gas for transportation across U.S. territory and redelivery to a foreign country and redeliveries to the United States of U.S. gas transported across foreign territory.

Intrastate Companies: Companies not subject to FERC jurisdiction.

Lease and Plant Fuel: Natural gas used in well, field, lease operations and as fuel in natural gas processing plants.

Liquefied Natural Gas (LNG): Natural gas that has been liquefied by reducing its temperature to minus 260 degrees Fahrenheit at atmospheric pressure.

Marketed Production: Gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations. Includes all quantities of gas used in field and processing operations. See Explanatory Note 1 for discussion of coverage of data concerning nonhydrocarbon gases removed.

Native Gas: Gas in place at the time that a reservoir was converted to use as an underground storage reservoir as in contrast to injected gas volumes.

Natural Gas: A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or solution with oil in natural underground reservoirs at reservoir conditions.

Nonhydrocarbon Gases: Typical nonhydrocarbon gases that may be present in reservoir natural gas are carbon dioxide, helium, hydrogen sulfide, and nitrogen.

Oil Well (Casinghead) Gas: Associated and dissolved gas produced along with crude oil from oil completions.

Onsystem Sales: Sales to customers where the delivery point is a point on, or directly interconnected with, a transportation, storage, and/or distribution system operated by the reporting company.

Pipeline Fuel: Gas consumed in the operation of pipelines, primarily in compressors.

Repressuring: The injection of gas into oil or gas formations to effect greater ultimate recovery.

Residential Consumption: Gas used in private dwellings, including apartments, for heating, cooking, water heating, and other household uses.

Salt Cavern Storage Field: A storage facility that is a cavern hollowed out in either a salt "bed" or "dome" formation.

Storage Additions: The volume of gas injected or otherwise added to underground natural gas or liquefied natural gas storage during the applicable reporting period.

Storage Withdrawals: Total volume of gas withdrawn from underground storage or liquefied natural gas storage during the applicable reporting period.

Supplemental Gaseous Fuels Supplies: Synthetic natural gas, propane-air, refinery gas, biomass gas, air injected for stabilization of heating content, and manufactured gas commingled and distributed with natural gas.

Synthetic Natural Gas (SNG): A manufactured product chemically similar in most respects to natural gas, that results from the conversion or reforming of petroleum hydrocarbons and may easily be substituted for or interchanged with pipeline quality natural gas.

Therm: One-hundred thousand British thermal units.

Underground Gas Storage Reservoir Capacity: Interstate company reservoir capacities are those certificated by FERC. Independent producer and intrastate company reservoir capacities are reported as developed capacity.

Vented Gas: Gas released into the air on the base site or at processing plants.

Wellhead Price: Represents the wellhead sales price, including charges for natural gas plant liquids subsequently removed from the gas, gathering and compression charges, and State production, severance, and/or similar charges.

Working (Top Storage) Gas: The volume of gas in an underground storage reservoir above the designed level of the base. It may or may not be completely withdrawn during any particular withdrawal season. Conditions permitting, the total working capacity could be used more than once during any season.